

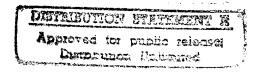
FINAL

SITE CHARACTERIZATION REPORT (BUILDING 202)

Woodbridge Research Facility Virginia

Appendicies A-H

April 1996



Prepared for:

U.S. Army Environmental Center Aberdeen Proving Ground, Maryland 21010

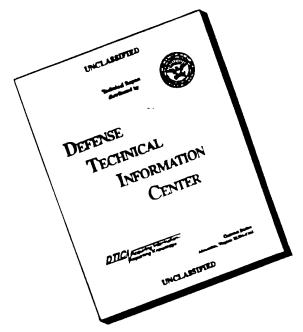
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APPENDIX A

REFERENCES

APPENDIX A

REFERENCES

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APPENDIX B BOREHOLE LOGS



Project Name: Woodbridge Research Facility Woodbridge, Virginia

Proj	ect	Nu	mb	er: ⁹³	197603		_ Fiel	d Log of Borehol	e Numbe <u>r:</u>	A08-5	Shee	et_1 of _1
Borel	nole L	.oca	tion:	A08	8 - 5				Elevation and Datu	ım (feet): Land: Top o	N/A f Casing: NA	
Drillin	ng Ag	enc	y:		GS/	[Oriller:	M.Belew	Date Started:	3/1/95	Date Finished:	3/1/95
Drillin	ıg Eq	uipn	nent:		ACKER				Completion: Depth (feet)	10.5	Rock Depth: (feet)	
Meth	od of	Dril	ling:	1	ISA				Number of Samples:	Dist.:	Undist.:	Core:
Borel	nole S	Size	(inch	 ies): {	3.25				Water 8.5 Depth (ft):	First:	Compl.:	24 hrs.
				ation: d surfa	Borehole abondo ce on same date.	ned via d	emen	t grout from total	Logged By:	BMCG	Checked By:	3
		_	mpl	es	Field Analysis	Log	,					
Depth (feet)	Number	Type	ı	Drilling Time	PID (ppm) S/B	USCS or Rock Type	Graphic	Desci	ription		Remar	ks
-	1		3 6	1135	8	_	\otimes	0.0: GRAVEL-SA	ND-SILT (AF);			
-	2		9 10 7 11	1140	0	AF		2.0 ft: SILT (ML) fine sand, friable, stif	black manganese			
5-	3		10 14 7 9	1145	O	ML		4.5 ft: SILT (ML)	; same as above.			
=	4			1150	· O).g. g).		6.5 ft: SILT (ML- and fine sa 8.5 feet.	SM); light brown, and, increase sand			
10-	5		10 11 14	1155	0	ML-SM GM		8.5 ft: SILTY SAI course gra saturated.	ND (ML-SM); light ined, FE oxide sta			
-			7 8 8 7	,		.4.5		9.0 ft: SILTY CLA 9.1 ft: GRAVEL-S dolomite, f 10.50 ft: TD		z, feldspar,		
15-							:	- - - -				
20-								- - - - - -				
=										:		
25— 												
=								E				



Project Name: Woodbridge Research Facility Woodbridge, Virginia

Proj	ect	Νu	ıml	oer: <u>9</u>	3197603		_ Fiel	d Log of Boreho	le Numbe <u>r:</u>	A08-6	She	et_1 of _1
Bore	hole I	Loca	tion	: A	08-6				Elevation and D	etum (feet): Land	: N/A of Casing: NA	
Drilli	ng Ag	jenc	y:		GS/		Driller:	M.Belew	Date Started:	3/2/95	Date Finished:	3/2/95
Drillia	ng Eq	uipr	nent	:	ACKER	<u></u>			Completion: Depth (feet)	10.0	Rock Depth: (feet)	
Meth	od of	Dri	lling	:	HSA				Number of Samples:	Dist.:	Undist.:	Core:
Borel	nole S	Size	(inc	hes):	8.25				Water Depth (ft):	First:	Compl.:	24 hrs.
bldg	g 20.	2. 1	Vo £	olow co	5 ft continous so ounts obtained du pth to concrete so	e to heig	ht resti	t boreholes inside rictions. Borehole date.	Logged By:	1CG	Checked By:	BMCG
_			mp	es	Field Analysis	Lo	g		1			
Depth (feet)	Number	Type	Blow Count	Drilling Time	PID (ppm) S/B	USCS or Rock Type	Graphic	Desc	ription		Rema	ırks
-	1		N/A	0900	0	AF		0 ft: CONCRETE gravel sub	(AF); concrete base.	floor and pea		
5 - 10 - 115 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3			0910		ML .		2.5 ft: SILT (ML) friable, loo 5 ft: SILT (ML); s in mica, fir feet, v. mc	se.	vith increase y at 8 to 10		



Project Name: Woodbridge Research Facility Woodbridge, Virginia

A08-7 Sheet 1 of 1 Project Number: 93197603 Field Log of Borehole Number: Land: N/A **Borehole Location:** Elevation and Datum (feet): Top of Casing: NA 808-GS/ Driller: M.Belew 3/1/95 3/1/95 Date Started: Date Finished: Drilling Agency: Completion: Rock Depth: 11.0 **ACKER** Drilling Equipment: Depth (feet) (feet) Number of Method of Drilling: Dist.: Undist.: Core: **HSA** Samples: Water First: 24 hrs. Borehole Size (inches): Compl.: 8.25 Depth (ft): Logged By: Checked By: Soil borehole grouted from total depth to ground Completion Information: surface on same date. **BMCG BMCG** Samples Field Analysis Log USCS or Rock Type (ppm) S/B ow Count Drilling Graphic Description Remarks Number Type Time nscs PID 0.00 ft: CONCRETE (AF); concrete and pea AF gravel fill to 1 foot bgs. 6 0930 7 GM 1 1.00 ft: GRAVEL-SAND-SILT (GM); brown, 6 with mottled clavey silt matrix. sub-base fill material. 7 2 0935 3 ML-MH 3.0 ft: SILT (ML-MH); brown and grey 6 12 mottled clayey silt, stiff, little moisture at 3.0 to 3.3, friable, loose when 14 3 0940 3 ML-MH 14 broken. 5.0 ft: SILT (ML-MH); brown, with mica, fine 12 sand and clay, friable, loose when 0945 ML-MH broken. 14 7.0 ft: SILT (ML-MH); same as above, with 20 4 increase moisture and sand. 5 0950 3 GM 9.0 ft: GRAVEL-SAND-SILT (GM); quartz, 6 feldspar, dolomite, few shale, with 10 brown clayey silt matrix, saturated. 7 11.0 ft: TD 8 8 11



Project Name: Woodbridge Research Facility Woodbridge, Virginia

Project Number: 93197603 A08-8 Field Log of Borehole Number: Sheet 1 of 1 Elevation and Datum (feet): Land: N/.
Top of Casing: NA A08-8 Borehole Location: GSI **Drilling Agency:** Driller: M.Belew 3/1/95 Date Started: Date Finished: 3/1/95 Completion: Depth (feet) **ACKER** Rock Depth: **Drilling Equipment:** 11.0 (feet) Number of Method of Drilling: Dist.: Undist.: HSA Core: Samples: Water Borehole Size (inches): 8.25 9.0 First: Compl.: 24 hrs. Depth (ft): Logged By: Checked By: Completion Information: Soil borehole grouted from total depth to ground surface on same date. **BMCG BMCG** Samples Field Analysis Log USCS or Rock Type Count (ppm) S/B Graphic Description Number Remarks Type nscs 30 AF 0.00 ft: ASPHALT (AF); Asphalt and gravel sub-base. GM 1017 3 1.0 ft: GRAVEL-SAND-SILT (GM); asphalt gravel with brown and grey mottled 10 11. clayey silt matrix, asphalt odor. 2 1020 ML 3.0 ft: SILT (ML); brown and grey mottled silt 10 11 with clay grading to a brown FE oxide 11 stained silt with clay and few gravel. 3 1025 ML 5.0 ft: SILT (ML); brown, with fine sand, 14 14 mica, and clay, friable, a 2-inch grey v. 12 moist seam at 6.0 feet bgs. 1030 ML 7.0 ft: SILT (ML); brown, micaceous with fine 11 18 sand and clay, moist to v. moist. 5 9.0 ft: GRAVEL-SAND-SILT (GM); quartz, 1035 GM 5 0 9 feldspar, dolomite, few shale with 11 brown clayey silt matrix, saturated. 11.0 ft: TD 5 7 9 7



Project Name: Woodbridge Research Facility Woodbridge, Virginia

Bore	nole L	ocat	ion:	A	08-9				Elevation and Datu	ກ (feet): Land Top ເ	: N/A of Casing: NA	
 Orillin	ng Age	ency	:		GSI	1	Oriller:	M.Belew	Date Started:	3/1/95	Date Finished	3/1/95
)rillir	ıg Equ	ipm	ent:		ACKER				Completion: 7	0.0	Rock Depth: (feet)	
/leth	od of	Drill	ing:	Н	SA				Number of Samples:	Dist.:	Undist.:	Core:
orel	nole S	ize (inch	es): 8	.25				Water 7.7 Depth (ft):	First:	Compl.:	24 hrs.
				ntion: e date.	Borehole grouted	from to	tal dep	oth to ground	Logged By:	1CG	Checked By:	BMCG
		San	npl	es	Field Analysis	Log)		<u> </u>			
(feet)	Number	Type	Blow Count	Drilling Time	PID (ppm) 8/B	USCS or Rock Type	Graphic	Desc	ription		Rem	arks
5	1 2 3 4		O 2 4 7 7 5 7 8 11. 9 12 18 16 7 11 12 17 8 11 11 11 11 11 11 11 11 11 11 11 11 1	1100 1105 1110 1115 1120	0	ML ML ML SM	5	topsoil, fir few grave odor. 2.00 ft: SILT (ML) 4.0 ft: SILTY SA grading to feet bgs, (8.0 ft: SILTY SA grained sil with oily s	ND (ML-SM); silt a saturated silty sar course grained. ND (SM-GM); brow ty sand, petroleum heen and heavy oc t bgs, grading to g	trace clay, sture, no ttle FE s above and at 7.7 on course stained for at 8.0		

Project Name: 5x/RT (USCOBROYE REG		Project Number: 1 31976-c3
		20016 202 SADE CF Sci Borehole No. AZ3 -	Sheet 1 of /
Drilling Agency: HARDOL	HUBER IN	C. Driller: TERRY	
Drilling Equipment: TRuck		1	Total Depth (feet): / O
Drilling Method: 51/2"		Date Finished: 4/18/94	1
Drilling Fluid NONE	_	Number of Samples:	Depth to Water (feet):
Completion Information: 5/			Elevation and Datum:
OF BOREHOLE		Logged by: krm/cu	Checked by: Kms
(feet) Number Interval Blow Count approvery Time	Analysis LOG (bbm) S/B/s OCS or LOCS or LOCS or LOCK Type	Lithologic Description	- Remarks
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	22.2 0.1 15.8 0.7 ML 0.3 0.3	12 BGS, COAPSE STAND A	TH SOME ORGANIC ODER

KEY: * S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

		177	ET NIC	> <i>6R.#</i> \	B17001 747	roject Number: 931976-0	3
Borehole Lo	cation:	240	FT ENST	C.F	WEST SIDE CE BUX 707 HO. A 23 -	Z Sheet 1 of /	
Drilling Ager	icy: F	lard.	my Hu	BEN	Driller: TENRY		
Drilling Equi					> Musae B-6 Date Started: 4/18/9-	Total Depth (feet):	
Drilling Met					Date Finished: 4/18/9		
Drilling Fluid		Non	1 <i>E</i>		Number of Samples: 4	Depth to Water (feet): N/A	
Completion I	. 6R	tion: 1	DRELLED O OUT	51/2" n∈ Le	Diameter (in): 5 /2	Elevation and Datum:	
BORE 1	Samp	le .	Analysis	LOG	Logged by: KTM/CL	Checked by: KmS	
(feet) Number	Ę	/ery	PID or FID (ppm) S/B*	USCS or Rock Type	Lithologic Description	ے Remarks	
1 - 2 - 1 2 - 4 - 2 4 - 4 6 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	7 6 2 2 3 5 9 9 11 6	1.8' 16 20' 16 20' 16	3.34	ML ML ML	SRT TO FOLE SAND, TRAI CLAY, 5 YR 5/4	WITH TO 4.5'B SAMPLE 23 COLLECTED FO HNALYSES C	BHOZO4 BHOZO4 FOR

15 KEY: * S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

Proj	ect N	lame	: _	 5= 1	RI	wood	DBR=	DGE RESEA	RU FALTIN	Project Numi	oer: 931976-03	
Bore	hole	Loca		. ≈	10	F ENS	T CF	BLE 202 DANSON BONCH	Deschole No.		Sheet 1 of 1	
Drilli	ng A	genc	y:)			J Hu			Driller: TEXRY			
Drilli	ng E	qulpr	nent:	170	Ruch	k-mora	~12D	MoBai B-61	Date Started: 4/18/9	Total 4 Depth	feet): /o '	
Drilli	ng k	Aetho	d: 5	1/2	· 4	H.S.	A.		Date Finished: 4/18/5	Depth t Bedroc	o k (feet): N/A	
Drillin	ng Fi	uid		برەرىم	<i>کے</i> ن				Number of Samples: 5	Depth t Water	/ / 44	
TO	/	on Inf O'E Bere	365.	6	Di Roi	rtled e	271	2" O HSA E LENGTH	Borehole Diameter (in): 51/2"	Elevation and Da	tum:	
	- 0		Samp			Analysis	LOG		Logged by: Krm / CL	Checke	dby: KMS	
Depth (feet)	Number	Interval	Blow Count	Звоот	6	PID or FID (ppm) S/B*	USCS or Rock Type	1	Lithologic Description		_ ∠ Remarks	
	Ŋ	Inte	e B	Pec	H H H	<u>a</u>	S &				BACKGELIND = OW	PM
ι –	ţ	رz. م:-5,	2 4 4 ₅	الكريم	i(15 11	6.9		TOPSCIL	70 I'	-	- PID = 1.9 ppm	
2-			64			10.0	FILL	TOP 3050	1/ FILL MATERIA	AC -	ROOTS THROUGHOUT DITENUALS	0-rn - 10
3-	2	2'-4'	3 4	18	1120	0.0		<u> </u>	ONE SAND BEG	- - 17016	TO 6'BLS	PIO = 4.8
4 – 5 –	3	4'-6'	4	70'	h 2.7	0.7	ML	AROUNS - 5YR 5	3.4' B65. /4	_	1 ~ ~ ~ ~ ~ ~ ~ ~	M=2.3,
/ ₀ -			7 12			6,0		<u> </u>	!		HALTEN DI TETL C 1130 SAMPLE 486HOIC COLECTED FOR CHO HAMOSES AT 112 DRIVERS REGUME C	122 (4'6' DITERU
7 -	4	ن ² -6'	- 1	2.c'	1135	0.0		- SAME.	AS ABOVÉ		ROCTS STAL	1.2 ppm
8 -			10			0.0		SAME AS	ABOVE TO 9.4	1865	DCCURRANG TO 7.0'BGS. NO REAC SXW.	
	5	8'-K'	12 14	2.0	1140	0.0		_		_	C 6-8' ENTERUM	PID=1.6p
10 –							5M	- SATURATE SOME S	D MESSOUN SAND	WITH -	ML NO REMODE	e 21 8'-10' DA
											SM MAX. UF 0.5 ON PID.	
								/0' Bi	O,H.	_	1140- DROVERS GROUTZNG BONE	4 34: /
								_			SAMPLE COBBHOICE COLLECTED FOR	
											AT 1140 (8'-1)	YSES DITETUR

KEY: *S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

oroje	ct N	ame:	5	= /	'RI	دساد	000 BA	REDEE	Re	SEMPLY FACTORY	Proje	ct Numb	er: 931976-03
Borel	nole	Loca	tion:		ر · ه	F 01	st of	ELDE.	202 202	Borehole No. A08			Sheet 1 of /
Drillin	ng Aç	jency	,·			J Hu				Driller: Tex A	 2 Y		
Drillin	ng Ed	hqipu						MUBE	EB4	Date Started: 4/18/	194	Total Depth (f	eet): / <i>O</i> ′
Drillin	ng M	letho	d: <u>-</u>			HSA				Date Finished: 4/18	194	Depth to Bedrock	
Drillin				رول			····			Number of Samples:	-	Depth to Water (
			orma	tion:	DA	RELIED	5/2	" HSA) 2 / 7 /	Borehole Diameter (in): 51/2	11	Elevation	on
TO		Bo	NE.	S. HUL	_	r	·			Logged by: KTM/C	ce	Checke	
_		S	amp	le	<u> </u>	Analysis	 						_
Depth (feet)	Number	val	Blow Count	Зестен		PID or FID (ppm) S/B*	USCS or Rock Type			Lithologic Description	1		. Remarks
	Nuu	Interval	Blow	Нед	TIme	립	Poct CS						
,			22			<u> </u> 		-	PSCIT	H SUME SILT			0'-2' DITENA
1 -	l	0-Z	23	1,4	1315	c,3/	a			•		-	LAST G" DIRENSED MDESTURE
2-			2			0.0		_				-	7/10/23/24/25
3-	2	2-4	34	2.0.	1318	1.1	MZ	_				_	-
4-			10					_		. *		_	GLEGED @ 132
5 —	3	4-6	34	1.8	1320	0.0		5AM 5.27		ABOUT WITH TRESLO		REASED FONE -	62 CHEMITAL
6 –			6						JOE			_	ANALYSES
7-	4	1-4	35	1		0.8	5m	Fore	SAN	D AND SILT	10X	5/1	GREY COLOR W/
	4	6-E	70	1.4	1330	0.0	SM		LEATE	MESSAM S.	AND	- אדדינט	DRELES HATED
8 –			7,			. 2	_	<u></u>		E SAMPS WITH SOM	ME (CRAY -	C 1330
9 –	5	8-10	9 16	2.0	134	0.3		- SATI	ARATE!	MEDRUM SA	₩	-	C 1335
10 —			19			0.5		5A7	(RATE!	COARSE SAND	ANO	JULAR DE	SAMPLE 08 BH 0 3
								Inc	a R	IGULAR, APPEAN	~> /	<i>عر</i> . ر	SAMPLE OBBHOB
_													(B-10' INTERVAL)
_													FOR CHEMICAL ANALYSES
-								-	B. O.	H 10'		-	7170112 1703
_								-				-	_
-15			<u> </u>			<u></u>							

KEY: S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

Stole	ect N	ame:	·	<i>P</i>	<u>-Δ</u>	nidge		I/RI		Pro	ject Numb	er: 931976-05	3
Bore	hole	Loca	tion:	15' 35	, E	th of		, 503 4 kg	Borehole No	M8-4		Sheet 1 of	
		gency			27				Driller: K	levin m	cCles	Noc	
Drillin	ng Ed	qulpn	ent:	+	120	J Au	ge ((3"ø)	Date Started	1:4/21/94	Total Depth ((eet): 50′	
Drillin	ng M	/letho	d:	Hor	7	Auger	ing		Date Finishe	d: 4/21/94	Depth to Bedroot	c (feet): N/A	
Drillir	ng Fl	uid		1	lon	و	-		Number of Samples:		Depth t		
Comp	oletic S	on Info	f,//	tion:	Miz	chole 11. cut	Fuey	Augered to	Borehole Diameter (in Logged by:): 30" Kms	Elevation and Da	tum:	1
		S	amp	le		Analysis	LOG		1 00 .		1		
Depth (feet)	Number	Interval	Blow Count	Re∞very	Пте	PID or FID (ppm) S/B*	USCS or Rock Type	1	Lithologic De	escription		⊋ Remarks	
	ź	Ē	ä	æ	Ĕ	<u>.</u>	<u> </u>	1" Topsoil				Bockground PLO	‡ ○
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اء –								L			-	Somple 088Hode	145
3-					1145	0,3/		5×ne 25	<i>#</i>		-	130 21 10/0	
4 -									•		-		٦.
5 –					1200	0.3/	SM	fine to ma	ym gov	ed sond	-	Hole Keeps collap	sing in at
6 -								<u> </u>			-	500	
7 -										- /	_		
8 -						· .		_		***	-	1	
9 -					<u> </u>			<u> </u>			-	_	
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KEY: S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

olo).	ect N	lame:	5	I/I	- RI	W00	DBRID.	GE RESEARCH	1 FACILITY	Proje	ct Numbe	or:931976-0 3	
Bore	hole	Loca	tion:	N	14		,	1		31		Sheet 1 of	·
Drillir	ng Aq	gency	/: H			-HUBE			Driller: TERRY				
Drillir	ng Ed	qulpn	nent:	TRU	(K-1	NOUNTET	> MOB	ILE B-61	Date Started: 식기교	94	Total Depth (fe	eet): 15 F7	
Drillir			d:	Hol	llou	s STE	m A.	5/2" 500 UGER B" ABA	Date Finished: 4/12/0	44	Depth to Bedrock		
Drillin	ng Fl	uid			۰N				Number of Gamples:		Depth to Water (fe	eet): 6.25	
Comp	ФΡ	on Info	יינא	EILI	NSTA	HIED, S	CREEN	SA TO 15 FT. ED FROM	Borehole 5 1/2" Success Diameter (in): 8" Success Logged by: KTM/CI	G REM	Elevation	n Jm:	DRY
			Samp		<u> </u>	Analysis	LOG		33 7 70,7 70	1		, KII 3	MOIST
Depth (feet)	Number	nterval	Blow Count	Recovery	Птв	PID or FID (ppm) S/B*	USCS or Rock Type	ı	_tthologic Description			- - Remarks	SATURATED TOOK
0-	ž	<u> </u>	ă	8	├		⊃ &	TOPSOIL TO	2 :/			BACKGROUND PID	= 0.7 PP
_	1	0-3	8	1.1	ক্ষেত	2.3	ML		STIFF SILT SOME	FINE	SAND _		
2 - - 4 -	2	2-4	3	1	D75C	3.0/	या भागमा हात	- 5YR 5/4 Highly ph	stic clay, etap	- चार्ना	<u> </u>	more moisture	
5 ,- 6 -	3	4-6	9	1.4	1000	1.5/	сН		above.			1000 - TETC TOLD DRIVERS TO HALT MOTHER COLOR	
7-	4	6-8	4 5 6 10	1	luo	7.0		SAME ,	As ABOVE			IIID Orilkes resu	ME
<i>q</i> –	5	€-b	3 5 8 4 26	1.3'	lns	1.6	5M	5 YR 5/4 - SAND WA	AS ABOVE CL 4/2 LOUSE MESON H SOME SOME	im D	 ਵਾਮ \$ਦੌ 	1120 DRALESS MALTED BYTER PIDE LISPPM 1130 DRALERS RESILME	
/\ <u> </u>	6	<i>ι</i> υ− <i>Ι</i> <u>2</u>	5 4	۸5	1135	1.0			-YR 5/A, MED SAND, SATUR ADVANCED TO			SAMPLE OBBH 3105 COU B'-10' FOR LA ANALYSES.	L.ETTED B,
_								- 8 H3H - 15' B.0		13,0	<u> </u>	1135 DRILLES HALTED BY TETE 1525 WATER	1
-15-	لب		L	L	<u> </u>	1	Ļ		- Not Analyzed: B7 -	D		· RESAMPLED	M R IJ Z I A

KEY: S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; RESAMPLED & BH310

BG = Background; BH = Borehole Headspace

BLOW COLVETT FROM 8'-1/

BLOW COLVETT FROM B'-1/

BLOW COLVETT FROM B'-1

Drilling Agency: Drilling Equipment Drilling Method: Drilling Fluid Completion Inform	HARDEN TRUCK 51/2" & H B" & H	Hu J-Moun 15A Dur	T CF 2TH CF BUR UTED DIG S	Мовят В-61	Borehole No. MW32 Driller: TERRY		Sheet 1 of										
Drilling Agency: Drilling Equipment Drilling Method: Drilling Fluid Completion Inform	HARDE TRUCK 51/2" & H B" & H	J Hu -mour 15A Dur 15A Du	BCR UTED DUG 5	INC. MUBELE B-61	Driller: TERRY												
Drilling Method: Drilling Fluid Completion Inform 4 "\$PVC VNV	11: TRUCK 51/2" & H B" & H	Mour ISA Dur ISA Du	JTED DUG S	Drilling Equipment: TRUCK-MOUNTED MUBLIE B-61 Date Started: 4/15/94 Depth (feet): 15'													
Drilling Method: Drilling Fluid Completion Inform 4 "\$PVC VNV	51/2" & H B" & H NON	ISA Dur	51/2" & HSA DUE DIE SAMPLEDE														
Completion Inform	NON	Drilling Method: B. & HSA Durals ROAMENS 1/3/79 Bedrock (feet): N/A															
4 % PVC W	Drilling Fluid NONE Samples: Water (feet): ≈7.0 Completion Information: Drille & S" Ø HSA to 15 Ft Borehole 5½" 5 moral Elevation																
	4"BPVC MWELL Installed, Screened from Diameter (in): 8" Remove and Datum: Logged by: KTM/CL Checked by: KM5																
	Logged by: KTM/CL Checked by: Analysis LOG																
Depth (feet) Number Interval	Recovery	PID or FID (ppm) S/B*	USCS or Rock Type	1	Lithologic Description		_ Remarks										
1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 14 - 14 - 14 - 14 - 14 - 14	17 7 15 £			5 YR 5/3, _ WITH 50~	SA ADVANCES	E 54~1> ED -	CLAY IS MOTTLES FORST WATER ~7.0' BGS PETROLEUM ODOR										

KEY: S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone;
BG = Background; BH = Borehole Headspace

Joje	ect N	ame:	4	シエ/	RI	W	SUNBR	SDGE REX	ETECH FACETY	Proje	ect Numb	xer: 931976-03	47·,
Bore	hole	Loca				7 7	_	ST OF BLOGZEZ STOF BLOGZEZ	Borehole No. 8H			Sheet 1 of 2	
Drillin						n H			Driller: 24/13	154	TER	RY	
Drillin	ng Ed	quipn	nent:	TR	פעכו	K-M0141	ED 1	NUBITE B-61	Date Started: 4/14	94	Total Depth (feet): 27'	
Drillir	ng M	l etho	d:	8"		8 H.S	_		Date Finished: 4/14	/94	Depth t Bedroc	o k (feet): N/A	
Drillin	ng Fl	uid		Von	و				Number of 10 Depth to Water (feet): 10.0				
14″ P	,NC	on Info	N. 1	mer.	Dril	iled 8° Installed	& HSF	to 27' CEHED FROM	Borehole 5½° 52~Plm Elevation Diameter (in): 🚜 " Repairs and Datum: Logged by: kms/CL Checked by:			tum:	
•			amp			Analysis	LOG		1 00 7 771137 01		I		
Depth (feet)	Number	Interval	Blow Count	Re∞ve <i>r</i> y	Пте	PID or FID (ppm) S/B*	USCS or Rock Type		Lithologic Description			Remarks PID BACTGROUND O ppm	
 		o-z	ا ا ا ا ا ا ا ا ا ا ا ا ا	06'	1107	0.3/	Wr	1" topsoil SYR S/3 with some	3,511 and fine clay, moist	. 57	and.		
ス - 3 -	a	Q'-4'	9 4 4 5	اء.ا	1110	0.3		Artifical	Fill		-	-	
4 - 5 -	ß	4'-6	2 2 2 3	0.3	1115	1.1	·	_ Arti&icol	Fill		-	_	
G - 7 -	4	G'- 8	2 2 4	1.7	20	13/	Fill	SAME AS 1	9B0V€ /		-	G-8' symple 088 Collected for 135 G-8' slight petalo	in otol
8 - 9 -	5			ادا				SAME AS I	ABġ√E		-	3" Split spoon used for sompling slight petroleum Brick in drive sh	edor fini oe
10 —	6	10-13	2	1.8			SM	Medium s - Soturoted	ond with some	Si	H, -	10'-12' Sample of collected for lab	201/250C
13 -	7	X-13	34	1.0	1255 120	0.7	Fill	- Soturorea	<i>f</i> ./		-	1135 Orillers sto	sunt
14 – -15–									Not Applyzad: 97		·	13.5' to 15' CM HONY PERFORMAN ODOR AT 12'-13'	

KEY: * S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

DUTERWAL

(Continuation Sheet)

								(Continuation Silvery	· · · · · · · · · · · · · · · · · · ·		
Proje	ct N	ame:				ikse I	·~ -	Project Number: 931976-03	Sheet	2 of 2	
-				<u>s∈r</u>	(3 F	7 6051	of Bldg:	Borehole		by: KMS/CL	
Boret	<u>المر</u>				f	t West of	BIY 30	Number: BH 32 D	Date:	4-19-99	
	L		amp	le		Analysis					
	_	_	20	<u>~</u>		요.	o g	Lithologic Description		Remarks	
	Number	Interval	Blow Count	Recovery	g.	PID or FID (ppm) S/B*	USCS or Rock Type				
	Ž	Ė	酱	æ	TIMe	۵	ž &	kms 4/H/94		KNS 4/4/99	
15			7				~~			15.0 15.5 COTE	46
16 -	▽	15'-17	4	1.5	1305	0.5	ΜH	List with some fine sond	_	15:51 5:4	1, 767
	Δ	15 11	3			-0.5	CH	saturated - 160'-16.5' Clay with some si	14 _	1310 Dullers Halt	Dy 16,
17 -			2	İ				- 160 - 16:3 Clay will some Si	111		
								-			
18 –			ŀ							- -	
19 -			ĺ			-				1110 Drillers Re	sume
								_		ITIO WITHOUT HE	34
20 —			3				MH	22ms 32 spans			
21-	8	D'z	ร	2.0	HIS	1,3/		_			
	/		4			1.3/0.7			_		
<u> </u> ゴヱー											
a3_								-			
						·		<u></u>	· · _		
a 1 —											
25								-	_		
			,3 			1.3	MH	= SYR 3/2 , SIRT, SATURATED medium groined soul W Some Si = SYR # 2.5/1	<u>`</u>		
3e –	10	25-1	์ ว	2.1	420	1/0	≤m	medium ground soul W Some 21,	#		
a7-			4			140	PT.	ESYR每 2.5/1	-	36.5'- 27' HBH	У
α, i										0192410	
28 –									_		
ລ9 –			·			14.		 -	_		
21											
30 —									-		
31_											
٦,٠									-		
32_								_	_		
22											
33-								-	_		
.34_								<u> </u>	-		
-35 — Ki	-Y:	S/B	= Sa	mole	Rea	ding / Ba	ckaroun	l d Reading; NA = Not Analyzed; BZ = Breathir	na Zone:	-	-

KEY: * S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace

ejon'.	ct N	ame:	52	=12		Week	BR E	6E RESONA	LH FALBETY	Projec	t Numbe	00.931976-03
								ST OF BLOW 202 CTH OF BLOW 762	Borehole No. BH 3			Sheet 1 of /
						Huße			Driller: TERRY	,		
								10BRE B-61	Date Started: 4/14/0	94	Total Depth (f	eet): 15,5
Drillin			<u>.</u> 5	1/2"	'¢H5	A bur	ځ ی کم	RAMPLONG ROAMEN G	Date Finished: 4/14	194	Depth to Bedrock	(feet): N/A
Drillin	g Fli	uid		ند		,			Number of Samples:		Depth to Water (f	
15.	·5 '	•	4" (D PI	1C	MON. W	ELL :	DISTALLED,	Diameter (in): 87 LEA	most.	Elevatio and Dat	um:
50	RET		ampl			5.5' -		5.5'B65	Logged by: Kms/C	4	Checked	o by:
Depth (feet)	96		Blow Count			PID or FID (ppm) S/B*			Lithologic Description		•	- Remarks
	Number	Interval	Blow	Re∞very	TIMe	PID o	USCS or Rock Type					PID BACKERLY Z.3 PPM
			34					2" TOPSON	ID FORE SAND	WIII	4	
١ –	}	C)'-2'	89	1.4	215	2.5	ML	Some	CLAY, 5YR S	7/3,	_	
2-			3			2.3	1	MOIST 5 YR 5/	3 CLAY WIT	DI TO	rkE	
3 -	2	2'-9'	4	[,6	05015	2.3	CL	SOI AN	3, CLAY WITH	, m	UIST-	
4 -			3,			2.2	1	.1.4			- 	
5 —	3	4'-6'	13	1.7'		1.4	1	- MUIS	LAY WITH TRA	LE :	ر استری	MOIZE CLAY, LESS TO NO SAND
6-	,	6'-8'	3588			1.7		-	i dun		_	MURE FONE SHIP
i	4			۵۰۱	00 3C	1.4			×			
8 –			16 10			1.3	-	FOR SANE A	S ABOVE TO 8.5 S WITH SOME SI	'BGS	5 -	used FOR
9 –	5	8'-10	15	1,6'	0714 (47)	1.2	SM	12-Ci-4/14	ND WITH SCME		-, -	SAMPLENE ENTERLYCE 8'-10'
10 —							3/11		AKATED		-	5AMPLE 08BH3305
(ı _	6							_			-	8'-10' DITERWAL
12-								- 8" & HS	SA ASVANCES T	70	-	FOR LAB AVALYSES DREWERS HALTED
13 —	7							15,5'			-	BY TETE AT
14-								15.5	1 B.O.H.		-	G.7' BGS

KEY: *S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; DRILLE'S RESUME
BG = Background; BH = Borehole Headspace C 0935

proje	ct N	ame:	5]	T/R	I C	3000	BRID	E RESEARCH FACEL	Proj	ject Numb	er: 931976-03		
Boret	ole	Local	ion: عر	غ ہـ '~ آ	95 F	WEST OF	75 75 213		Borehole No. 3H 34 Sheet 1 of /				
				-		LUBER		Driller: TERR	7				
Drillin	g Ed	udipr	ent:	TRU	KK-1	MOUNTE	o Mot	ILE B-61 Date Started:	4/12/44	Total Depth ((eet): 13,5 ′		
Drillin	g M	letho	5% 3:8	', o	₽ H. H·:	S.A. Du	RING	Oate Finished:	4/12/94	Depth to Bedrock	o .,		
Drillin					אבי בי			Number of Samples:	6	Depth to Water (
4"0	PPL	1	Mu:	الما .لا	eu	ELED DUSTAL	8" ¢	HSA TO 13.5' Borehole 5'/ Diameter (in): E Logged by: Kr	2" SAMPLEN "REMINDS		tum:		
3	·5'		/3. S ampl			Analysis		Logged by: K	15/CL	Cileake	d by.		
Depth (feet)	Number	Interval	Blow Count	Recovery	96	PID or FID (ppm) S/B*	USCS or Rock Type	Lithologic Desc	ription		- Remarks		
	N	Inte	Blo	Ввс	Tim		SD &	" " " " " " " " " " " " " " " " " " " "	· · · · · · · · · · · · · · · · · · ·		BACKGROUND PID=0.	4000	
2 -	1	0-2'	² 5 7 7	15#	1430	0.8	12 A/12 12 A/12 12 A/14	Z" TOPSOIL - SYR 5/A, STIFT SUME SILT	clay a	12774 - -			
_	2	J-4'	4 ₅ 7 8	ા.છે	1435	0.6	CL	SAME AS ABOUE		-	_		
5 -	3	4-6'	5 ₈ 10 12	1.6	144	0.8		- SAME AS ABOVE		_			
6					ł	0.8		SAND, LOUSE	J E	-	INCREASED MOISTURE AT 7,5'BLS		
ઇ _			10			0.6	SM	SATY SAND, FAVE	GRAINE	·>, -	SAMPLES COLR		
10 —	5	ε-iυ' 4) **()	1.3	1450	c.7		MEDFUM SAND, C	.vo5E		FUZ CHEMITAL AUALYSES 08BH3405	PID=1.8	
12 -	G	'و-٥١	24 009	1.3	150c	0.8		- FONE SAND, MEDA WITH SOME SILT		~SE .	SATURATED SAND		
	7							•	CES TO	13.5	DRILLES HALTED BY TETE C 1500		
.4 _								13.5 B.O.H			C 4.5' BGS		

BG = Background; BH = Borehole Headspace

BLOW COWNTS SATURATED RECYCLY = 1.8' BACKGROWD = 0.0 pprh

COLLECTED FROM 8'-10

BLOW COWNTS RECYCLY = 1.8' HEAT = 0.2 ppm

DITERLYAL FOR LASS



Project Name: Woodbridge Research Facility Woodbridge, Virginia

MW35 Project Number: 93197603 Sheet 1 of 1 Field Log of Borehole Number: Land: Elevation and Datum (feet): Borehole Location: MW-35 Top of Casing: NA M.Belew GS/ 3/1/95 3/1/95 Driller: Date Finished: Date Started: Drilling Agency: Completion: Depth (feet) Rock Depth: 17.0 Acker Drilling Equipment: (feet) Number of Dist.: Undist.: Method of Drilling: **HSA** Core: Samples: Water First: Borehole Size (inches): Compl.: 24 hrs. Depth (ft): 8.25 Checked By: Logged By: Completion Information: MW35 completed as 4-inch diameter monitoring well, see completion diagram for construction specifications. **BMCG BMCG** Field Analysis Samples Log (ppm) S/B ow Count Rock Type Description Graphic Remarks P Number Type Time nscs PID 9 0 ft: SILT (ML); light brown, with sand and 1308 ML 1 6 gravel, organic topsoil, moist. 8 1310 0 2 2 ft: SILT (ML); yellow brown, micaceous, 9 with sand and gravel, manganese, 8 precipitate, moist. 1312 0 3 4 ft: SILT (ML); pale yellow brown, 11 micaceous, with sand and gravel, FE 6 oxide precipitate, slightly stiff, friable, 7 1325 0 loose when broken up, little to no 10 moisture. 11 6 ft: SILT (ML); yellow brown, micaceous, 6 5 1330 SM increase sand and mica content, 2 cm 9 ML quartz gravel seam at 6.5 ft, grey 12 GM mottling at 7 to 8 ft. 14 6 1335 8 ft: SILTY SAND (SM); yellow brown to light 8 brown silty sand, course grain with FE 11 oxide precipitate, saturated. 8.80 ft: CLAYEY SILT (ML); grey mottled, 2 slightly plastic, moist 3 9.60 ft: GRAVEL-SAND-SILT (GM); light 4 brown, quartz, feldspar, few shale, gravel with sand-silt matrix, saturated. 17.0 ft: TD



Project Name: Woodbridge Research Facility Woodbridge, Virginia

Proj	ect	Nu	mb	oer: <u>93</u>	1197603		_ Fie	ld Log of Boreho	le Numbe <u>r:</u>	MW36	She	eet <u>1</u> of <u>1</u>		
Bore	hole L	Loca	tion	: MW	-36				Elevation and Datum (feet): Land: 13.95 Top of Casing: NA					
Drilling Agency: GS/ Driller: M.Belew									Date Started:	3/1/95	Date Finished:	3/1/95		
Drilling Equipment: ACKER									Completion: Depth (feet)	15.0	Rock Depth: (feet)			
Meth	od of	Dri	lling:		8.25				Number of Samples:	Dist.:	Undist.:	Core:		
Borel	nole S	Size	(incl	nes):	HSA				Water 9.0 Depth (ft):	First:	Compl.:	24 hrs.		
wel	l, see	e co	mp.	letion d	liagram for const.	ruction s	pecific	nmeter monitoring cations. Split tions inside Bldg.	Logged By:	MCG	Checked By:	BMCG		
-^			mpl	es	Field Analysis		g	_						
Depth (feet)	Number	Type		Orilling Time	PID (ppm) S/B	USCS or Rock Type	Graphic	Desc	ription		Remarks			
_	1			1400	0	AF	\bowtie	Oft: CONCRETE	(AF); concrete and depth of 2.5 ft.	d gravel				
11111	2			1405	14	ML		2.5 ft: SILT (ML); with sand	light brown, mica and gravel, manga ightly stiff, friable	enese				
5	3			1410	15	-		5 ft: SILT (ML); a fine sand,	s above with incre mica near 10 ft.	ease mica,				
10-	4			1420	14	GM		10 ft: GRAVEL-S, dolomite, f	AND-SILT; brown, eldspar, few shale natrix, saturated.					
15		\dashv						15 0 to TD						
225								15.0 ft: TD						



Project Name: Woodbridge Research Facility Woodbridge, Virginia

MW37 Project Number: 93197603 Field Log of Borehole Number: Sheet_1 of _1 Elevation and Datum (feet): Lano: Top of Casing: NA 12.53 **Borehole Location:** MW-37 3/2/95 3/2/95 GS/ Driller: M.Belew Date Started: Date Finished: Drilling Agency: Completion: Rock Depth: 15.0 ACKER **Drilling Equipment:** Depth (feet) (feet) Number of Dist.: Method of Drilling: Undist.: Core: HSA Samples: Water 8.25 First: Compl.: 24 hrs. Borehole Size (inches): Depth (ft): Logged By: Checked By: Completion Information: MW37 completed as 4-inch monitoring well, see completion diagram for construction specifications. **BMCG BMCG** Field Analysis Samples Log Depth (feet) USCS or Rock Type PID (ppm) S/B ow Count Graphic Description Remarks Number Type Time SOSO 0.0 ft: ASPHALT AND GRAVEL (AF): 42 AF 1 10 1200 11 12 2.0 ft: SILT (ML); yellow-brown, with asphalt 2 11 1205 35 ML 12 gravel, mica, fine sand. 16 4.0 ft: SILT (ML); same as above. 3 17 1210 ML 20 4 6.0 ft: SILT (ML-MH); with fine sand, clay, 8 7 ML-MH 1215 9 mica, moist. 11 5 8.0 ft: SILT (ML-MH); same as above. ML-MH 5 1220 15 5 9.6 ft: SILTY SAND (SM); brown, course SM 7 grained sand with silty matrix, well 7 GM graded with FE oxide staining, saturated. 10 10.5 ft: GRAVEL-SAND-SILT (GM); quartz, 11 dolomite, feldspar, few shale terrace deposits. 15 ft: TD TD



Project Name: Woodbridge Research Facility Woodbridge, Virginia

MW38 Project Number: 93197603 Field Log of Borehole Number: Sheet 1 of 1 Elevation and Datum (feet): Land: 12
Top of Casing: NA Borehole Location: MW-38 GS/ M.Belew Driller: 3/2/95 Drilling Agency: Date Started: 3/2/95 Date Finished: Completion: Rock Depth: **ACKER** 15.0 **Drilling Equipment:** Depth (feet) (feet) Number of HSA Method of Drilling: Dist.: Undist.: Core: Samples: Water Borehole Size (inches): First: Compl.: 24 hrs. Depth (ft): 8.25 Logged By: Completion Information: MW38 completed as 4-inch diameter monitoring Checked By: well, see completion diagrams for construction specifications. **BMCG BMCG** Samples Field Analysis Log Rock Type ow Count (ppm) S/B Drilling Description P Graphic Remarks Number Type nscs PIO 40 1040 AF 0.0 ft: Asphalt (AF): asphalt and gravel 12 subbase, asphalt odor, moist. 12 2.0 ft: SILT (GM-ML); grey, with mica, gravel, 2 1045 11 GM-ML 10 little to no moisture. 10 3 12 1050 6 ML-MH 4.0 ft: SILT (ML-MH); grey, with mica, fine 22 sand and clay, little to no moisture. 21 1100 5 ML-MH 6 ft: SILT (ML-MH); grey, with fine sand, 10 mica, clay, few gravel, moist. 15 9 8.0 ft: SILT (MH-GM); grey, with fine sand, 1105 MH-GM 5 9 12 mica, clay, and few gravel, a 1/4-inch quartz gravel seam at 8.8, WET. 14 GM 10 ft: GRAVEL-SAND-SILT (GM); quartz, 11 dolomite, feldspar, few shale, terrace 8 deposits, saturated. 11 10 15 ft: TD 25



Project Name: Woodbridge Research Facility Woodbridge, Virginia

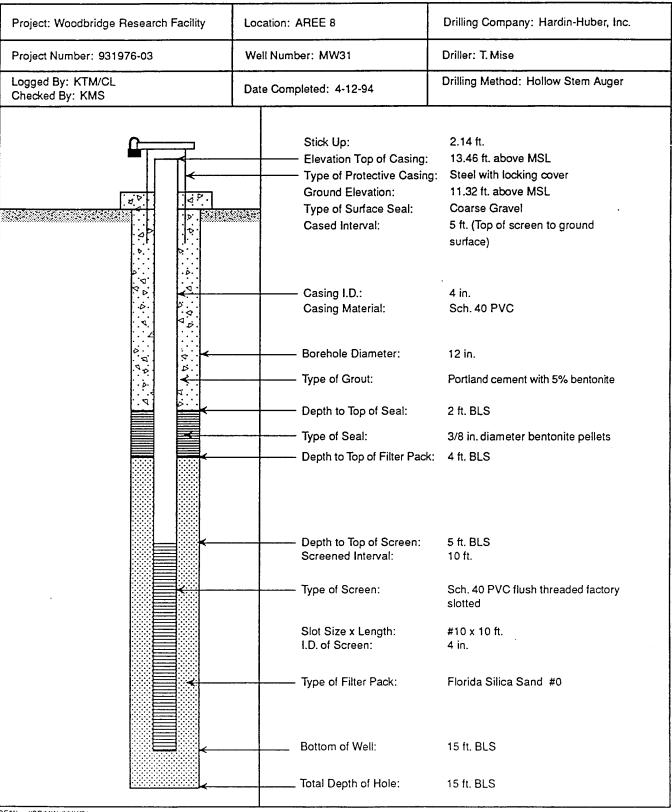
orehole Location	ı: MW	-39		Elevation and Datum (feet): Land: 11.43 Top of Casing: NA					
rilling Agency:		GSI		Date Started:	3/3/95	Date Finished	: 3/3/9 5		
illing Equipmen	t:	ACKER	L			Completion: Depth (feet)	14.5	Rock Depth: (feet)	
thod of Drilling	j:	HSA				Number of Samples:	Dist.:	Undist.:	Core:
rehole Size (inc		8.25				Water 6.0 Depth (ft):	First:	Compl.:	24 hrs.
		MW39 complete			nitoring well, see	Logged By:		Checked By:	
mpietion dia	agram ic	or construction sp	естсанс	1115.		В	MCG		BMCG
Samp	les	Field Analysis	Log	3		•			
(feet) Number Type	Orilling Time	PIĢ (ppm) S/B	USCS or Rock Type	Graphic	Desc	ription		Rema	arks
2 5 5 9 9 9 5 5 10 11 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	830 840 850 900	1 0 3 2	ML ML-MH GM		trace mica no odor. 2 ft: SILT (ML); s wet. 4 ft: SILT (ML-M sand and on odules at equartz, felication of the context of the	light brown, with, fine sand, and clame as above, v. H); brown, with in slay, black mangar 5-6, v. moist, no ND-SILT (GM); brosit, saturated.	ay, moist, moist to crease fine nese odor. own,		

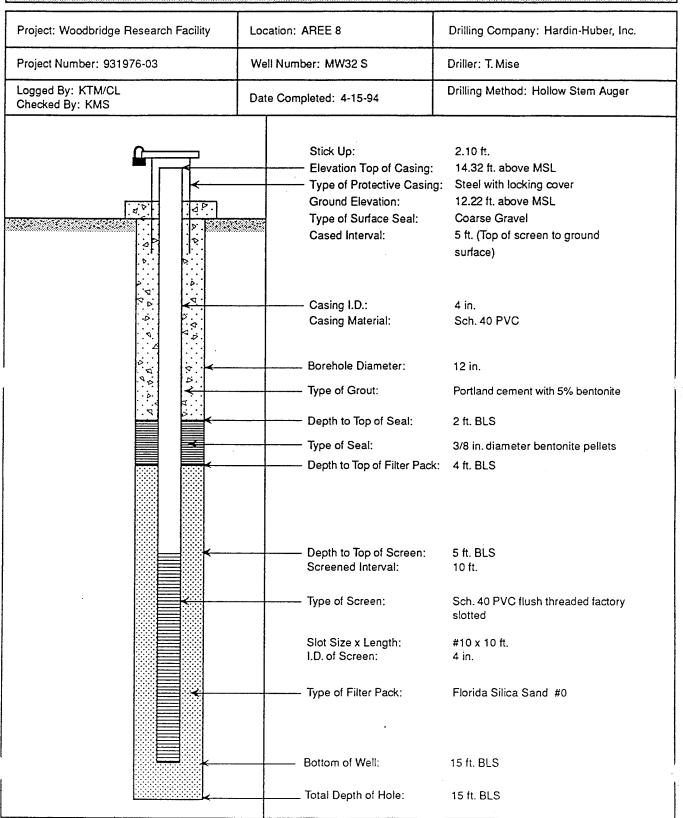


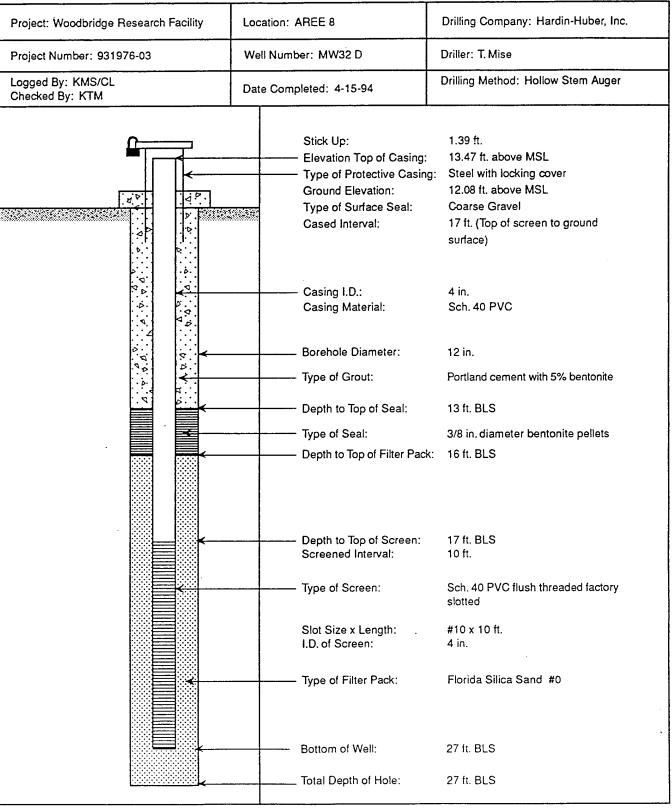
Project Name: Woodbridge Research Facility Woodbridge, Virginia

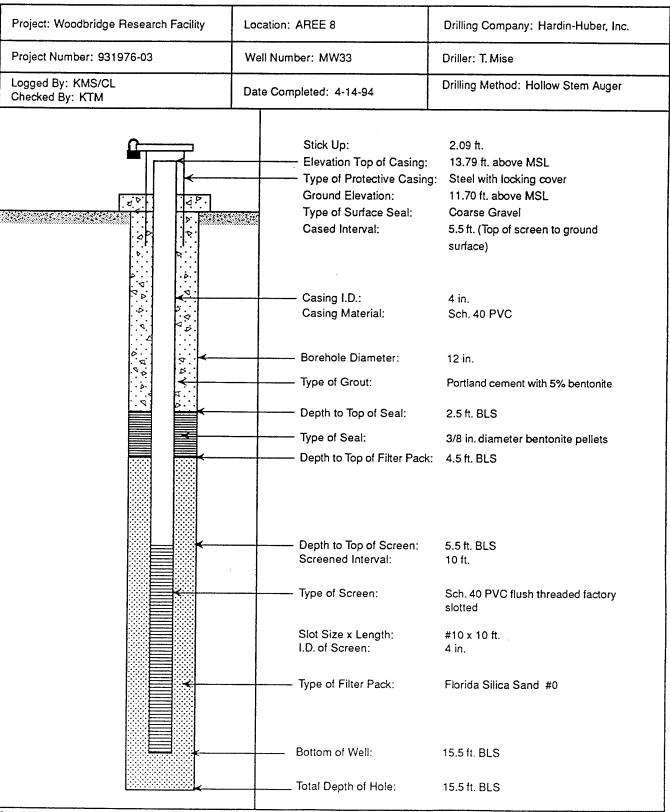
Proj	ect	Nu	mb	oer:_ <i>9</i> :	3197603		_ Fi	eld Log of Boreho	e Numbe <u>r:</u>	MW40	She	eet <u>1</u> of <u>1</u>
Bore	hole L	Loca	tion	: 1	MW-40				Elevation and Date	um (feet): Land Top	: 13.52 of Casing: NA	
Drilli	ng Ag	genc	y:		GSI		Driller	: M.Belew	Date Started:	3/1/95	Date Finished	3/1/95
Drilli	ng Eq	uipn	nent	:	ACKER				Completion: Depth (feet)	16.5	Rock Depth: (feet)	
Meth	nod of	f Dri	lling	:	HSA				Number of Samples:	Dist.:	Undist.:	Core:
Bore	hole S	Size	(incl	nes):	8.25				Water 9.0 Depth (ft):	First:	Compl.:	24 hrs.
				ation: letion (MW40 complete diagram for const			iameter monitoring :.	Logged By:	1CG	Checked By:	BMCG
		Sai	mpl	les	Field Analysis	Lo	g		1			
Depth (feet)	Number	Type	Blow Count	Drilling Time	PID (ppm) S/B	USCS or Rock Type	Graphic	Desc	iption		Rema	arks
=	1		10 10	1435		GM		0.0 ft: Asphalt (A	F); Asphalt and g			
-	2		10 14 10 10	1440	0	ML		2.0 ft: SILT (ML)		ce fine e nodules,		
5-	3		10 10 6	1445	0	ML		4 ft: SILT (ML); s	ame as above.	moist.		
	4		6 10 7	1450	5	ML-SM		to v. moist	sand stringers evi	dent, moist		
10-	5		8 9 10 7 8 9	1455	3	ML-SM		■ 8 ft: SILTY SAND □ grained wit □ saturated. □	(SM-ML); dark b h trace clay and t	rown, fine few gravel,		
15-	6		9 10 5 3 3	1500	5	ML-SM		12.5 ft: SILTY SA grey mottli and trace c	.ND (ML-SM); bro ng, fine grained, v lay, FE oxide stair	with mica		
∄								16.0 ft: TD		•		
20-												

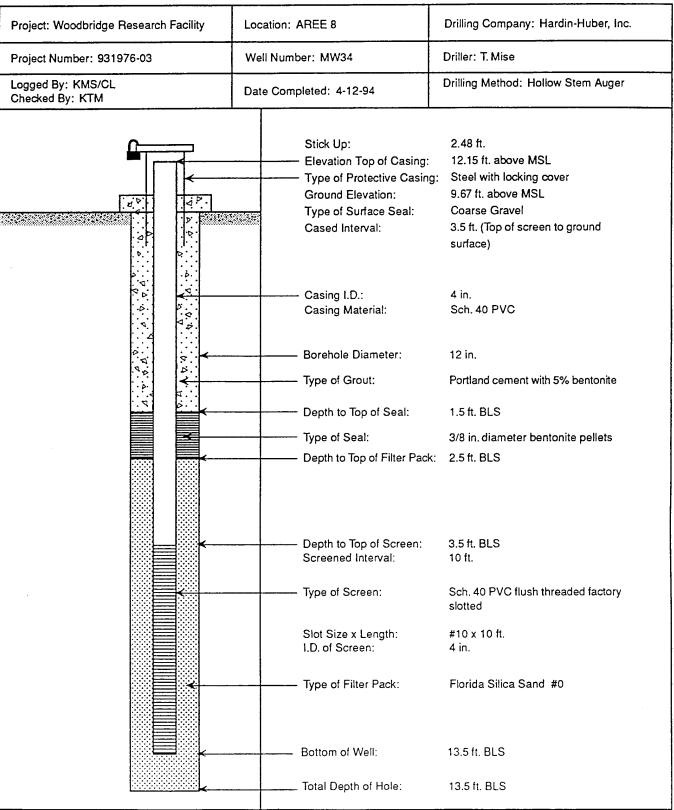
APPENDIX C WELL COMPLETION DIAGRAMS







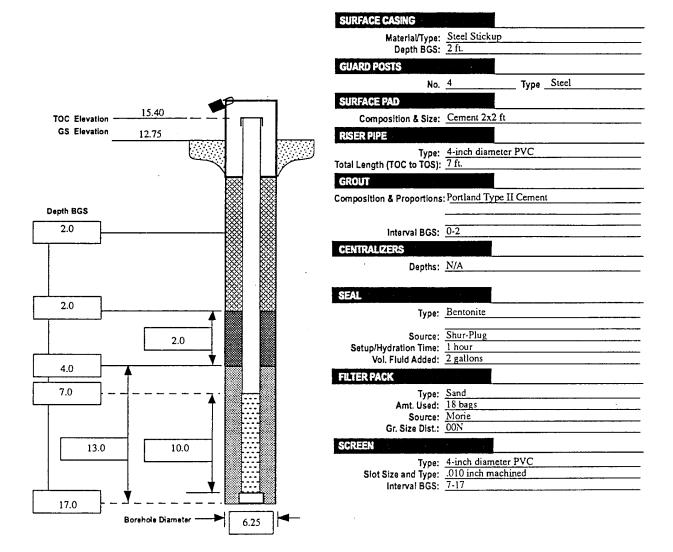






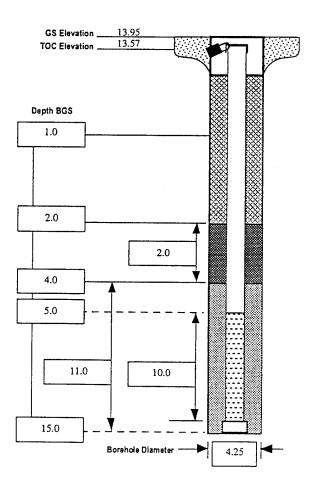
Monitoring Well Construction Log - Above Ground

Project Name: WRF	Project Number:	93197603	Sheet 1 of 1
Well: MW35	Borehole Diameter (in.)	6.25	Depth of Water (TOC): 10.35
Driller: M. Belew	Date Started:	3/1/95	TOC Elevation: 15.40
Drilling Agency: GSI	Date Installed:	3/1/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed:	3/1/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.):	17	Checked by: BM





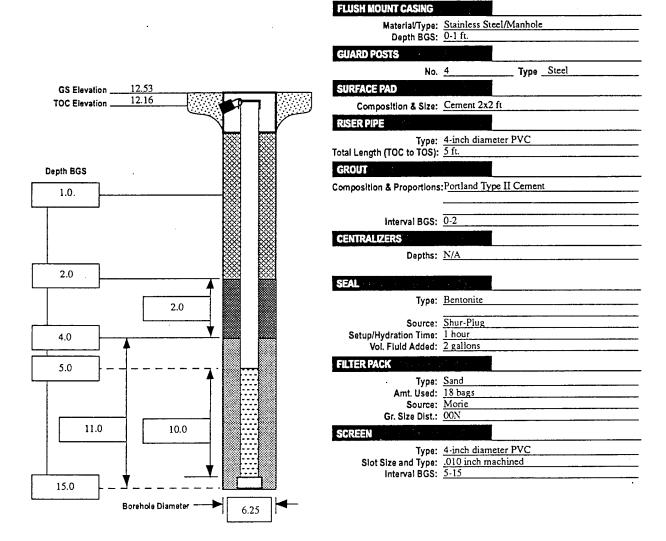
Project Name:	WRF	Project Number:	93197603	Sheet 1 of 1
Well:	MW36	Borehole Diameter (in.)	4.25	Depth of Water (TOC): 9.0
Driller:	M. Belew	Date Started:	3/1/95	TOC Elevation: 13.57
Drilling Agency:	GSI	Date Installed:	3/1/95	Number of Soil Samples: 1
Drilling Equipment:	Acker	Date Completed:	3/1/95	Logged By: BM
Drilling Method:	HSA	Total Depth (ft.):	15	Checked By: BM



FLUSH MOUNT CASING	
Material/Type:	Stainless Steel/Manhole
Depth BGS:	
GUARD POSTS	
No.	Type Steel
SURFACE PAD	
Composition & Size:	Cement 2x2 ft
RISER PIPE	
Type: Total Length (TOC to TOS):	2-inch diameter PVC
GROUT	
	;Portland Type II Cement
Composition & Proportions	oriand Type II centent
later at BCC.	0.2
Interval BGS:	0-2
CENTRALIZERS	
Depths:	N/A
SEAL	
Туре:	Bentonite
Source:	Shur-Plug
Setup/Hydration Time:	1 hour
Vol. Fluid Added:	2 gallons
FILTER PACK	•
Type: Amt. Used:	
Source:	
Gr. Size Dist.:	00N
SCREEN	
	2-inch diameter PVC
Slot Size and Type: Interval BGS:	.010 inch machined
interval DOS.	2-10

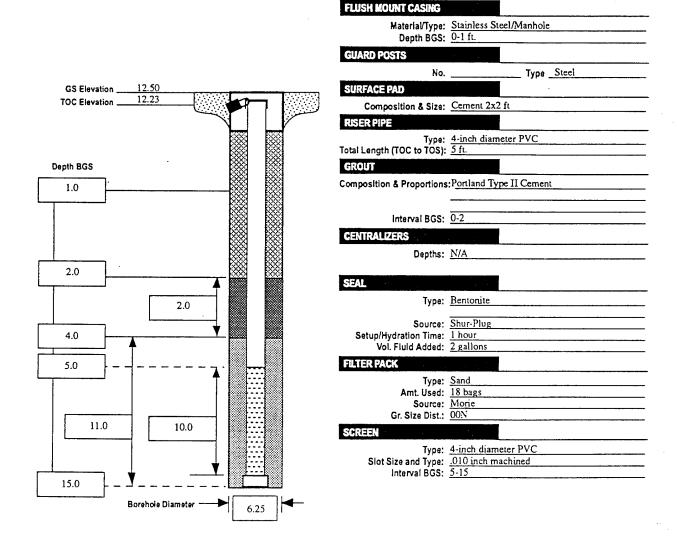


Project Name: WRF	Project Number: 93197603	Sheet 1 of 1
Well: MW37	Borehole Diameter (in.) 6.25	Depth of Water (TOC): 9.6
Driller: M. Belew	Date Started: 3/2/95	TOC Elevation: 12.16
Drilling Agency: GSI	Date Installed: 3/2/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed: 3/2/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.): 15	Checked By: BM





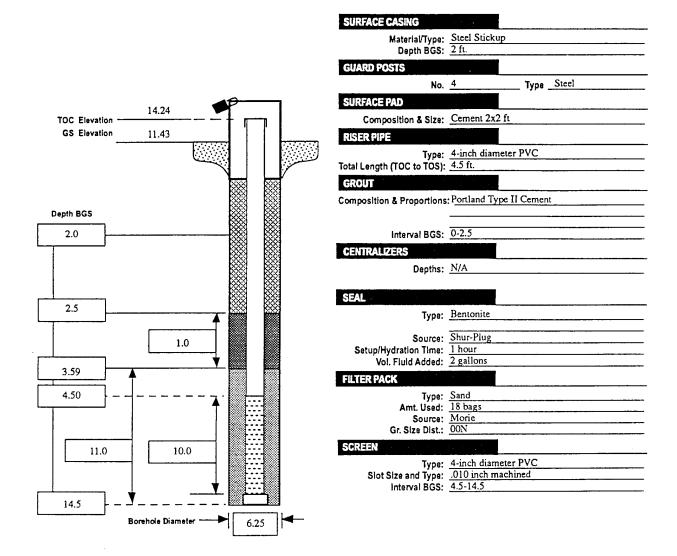
Project Name: WRF	Project Number:	93197603	Sheet 1 of 1
Well: MW38	Borehole Diameter (in.)	6.25	Depth of Water (TOC): 7.38
Driller: M. Belew	Date Started:	3/2/95	TOC Elevation: 12.23
Drilling Agency: GSI	Date Installed:	3/2/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed:	3/2/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.):	15	Checked By: BM





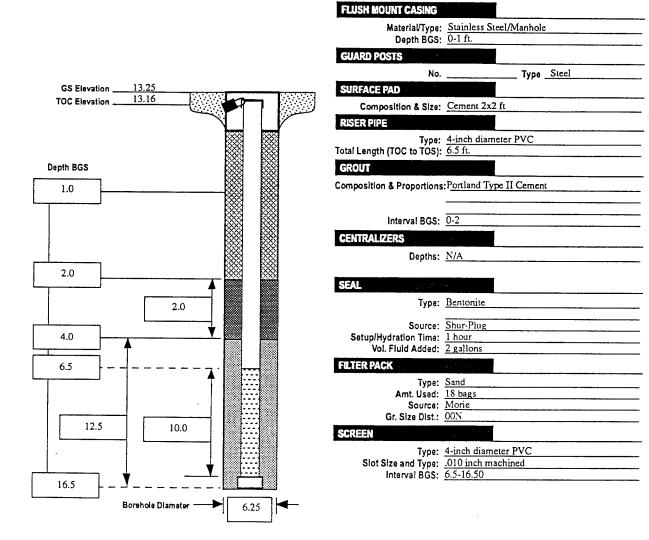
Monitoring Well Construction Log - Above Ground

Project Name: WRF	Project Number: 93197603	Sheet 1 of 1
Well: MW39	Borehole Diameter (in.) 6.25	Depth of Water (TOC): 9.68
Driller: M. Belew	Date Started: 3/1/95	TOC Elevation: 14,24
Drilling Agency: GSI	Date Installed: 3/1/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed: 3/1/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.): 14.5	Checked by: BM





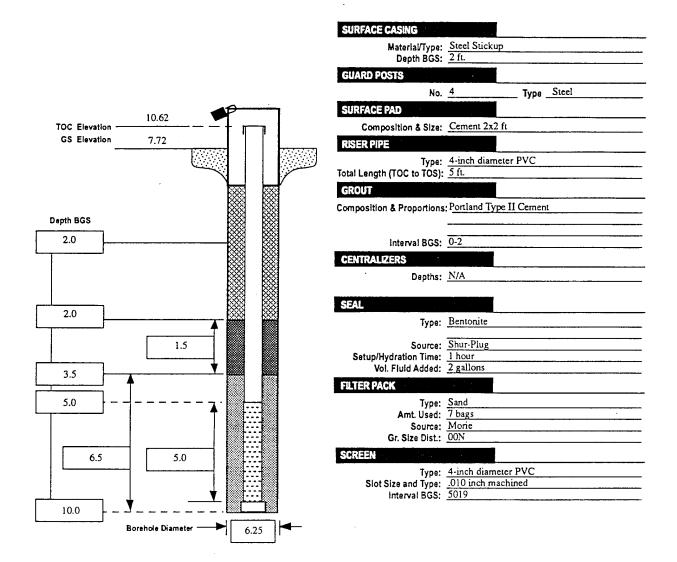
Project Name: WRF	Project Number: 93197603	Sheet 1 of 1
Well: MW40	Borehole Diameter (in.) 6.25	Depth of Water (TOC): 8.01
Driller: M. Belew	Date Started: 3/1/95	TOC Elevation: 13.16
Drilling Agency: GSI	Date Installed: 3/1/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed: 3/1/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.): 16.5	Checked By: BM





Monitoring Well Construction Log - Above Ground

Project Name: WRF	Project Number:	93197603	Sheet 1 of 1
Well: MW41	Borehole Diameter (in.)	6.25	Depth of Water (TOC): 6.83
Driller: M. Belew	Date Started:	3/3/95	TOC Elevation: 10.62
Drilling Agency: GSI	Date Installed:	3/3/95	Number of Soil Samples: 1
Drilling Equipment: Acker	Date Completed:	3/3/95	Logged By: BM
Drilling Method: HSA	Total Depth (ft.):	10	Checked by: BM



A P P E N D I X D AQUIFER TESTING DATA

HYDRAULIC CONDUCTIVITY CALCULATIONS

Project: Woodbridge Research Facility

Location: AREE 8

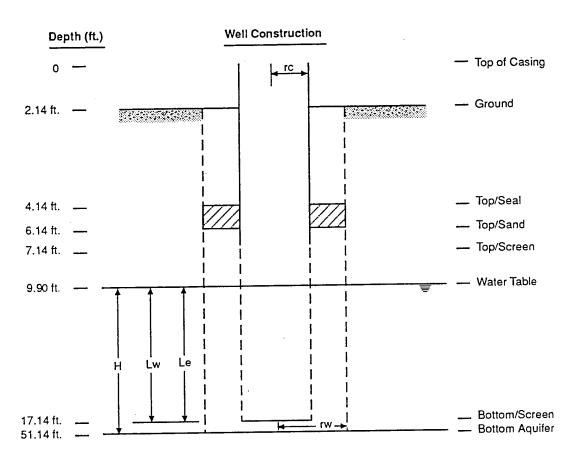
Computed By: KMS
Checked By: CL

Project Number: 931976-03

Well Number: MW31

Date Completed: 6-7-94

Reference: Bower and Rice Method (1976)

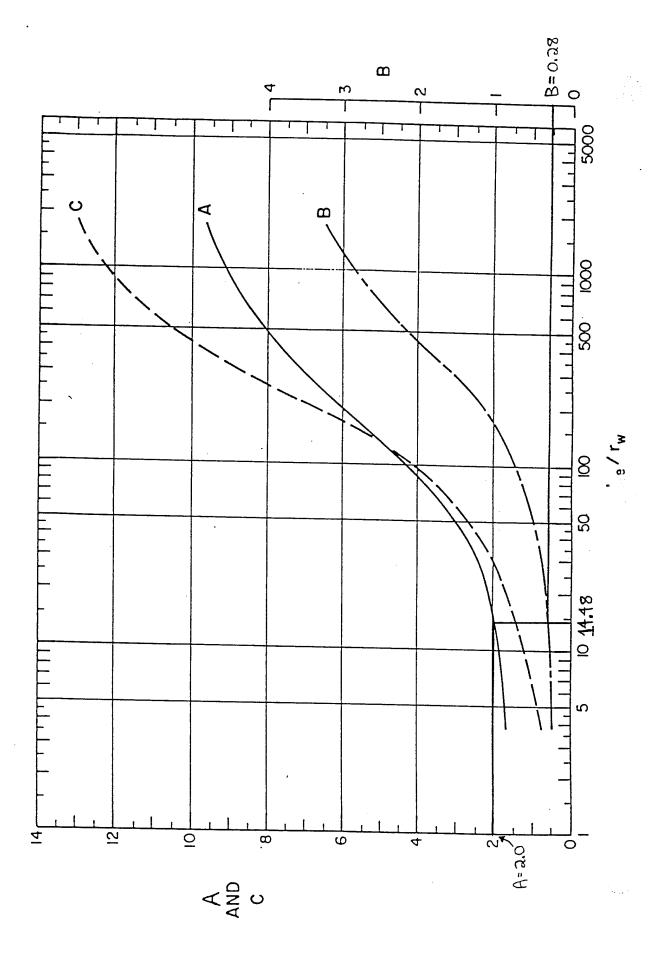


Explanation

- H = Depth of Saturated Zone = 41.24 ft.
- Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.24 ft.
- Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 7.24 ft.
- rc = Inside Radius of Well Casing = 0.1667 ft.
- rw = Radius of Well Developed Zone (Borehole) = 0.5 ft.

Le/rw= 14 48

- A = From Attached Curve = 2.0
- B = From Attached Curve = 0.28
- C = Not Applicable



SLUG TEST DATA SHEET FOR MW-31 SLUG IN

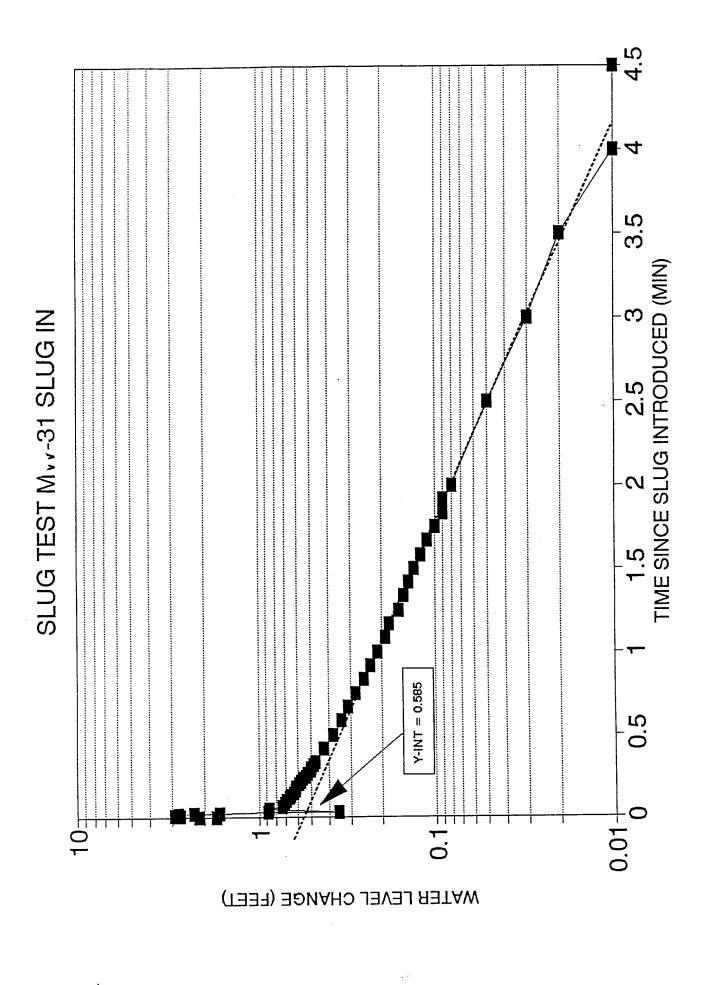
ATIC WATER LEVEL (HO) (HO) = 9.9 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
	LIIVIL		SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-НО
6/7/94	10	26	0	11.62	1.72
6/7/94	10	26.0033	0.0033	12.04	2.14
6/7/94	10	26.0066	0.0066	12.72	2.82
6/7/94	10	26.0099	0.0099	12.6	2.7
6/7/94	10	26.0133	0.0133	12.77	2.87
6/7/94	10	26.0166	0.0166	12.83	2.93
6/7/94	10	26.02	0.02	12.67	2.77
6/7/94	10	26.0233	0.0233	12.19	2.29
6/7/94	10	26.0266	0.0266	11.56	1.66
6/7/94	10	26.03	0.03	10.79	0.89
6/7/94	10	26.0333	0.0333	10.25	0.35
6/7/94	10	26.05	0.05	10.78	0.88
6/7/94	10	26.0666	0.0666	10.64	0.74
7/94	10	26.0833	0.0833	10.61	0.71
6/7/94	10	26.1	0.1	10.59	0.69
6/7/94	10	26.1166	0.1166	10.57	0.67
6/7/94	10	26.1333	0.1333	10.56	0.66
6/7/94		26.15	0.15	10.54	0.64
6/7/94	10	26.1666	0.1666	10.52	0.62
6/7/94		26.1833	0.1833	10.51	0.61
6/7/94	10	26.2	0.2	10.49	0.59
6/7/94		26.2166		10.48	0.58
6/7/94	10	26.2333	· · · · · · · · · · · · · · · · · · ·	10.46	0.56
6/7/94		26.25	0.25	10.44	0.54
6/7/94		26.2666	0.2666	10.43	0.53
6/7/94		26.2833	0.2833	10.41	0.51
6/7/94		26.3	0.3	10.4	0.5
6/7/94	+	26.3166	0.3166	10.39	0.49
6/7/94		26.3333		10.38	0.48
6/7/94	+	26.4167	· · · · · · · · · · · · · · · · · · ·	10.33	0.43
6/7/94		26.5	0.5	10.28	0.38
6/7/94	 	26.5833	0.5833	10.24	0.34
6/7/94		26.6667	 	10.21	0.31
5/7/94		26.75	0.75	10.18	0.28
7/94/د		26.8333	0.8333	10.15	0.25
6/7/94		26.9167	0.9167	10.13	0.23

SLUG TEST DATA SHEET FOR MW-31 SLUG IN

.'ATIC WATER LEVEL (HO) (HO) = 9.9 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	10	27	1	10.11	0.21
6/7/94	10	27.0833	1.0833	10.09	0.19
6/7/94	10	27.1667	1.1667	10.08	0.18
6/7/94	10	27.25	1.25	10.06	0.16
6/7/94	10	27.3333	1.3333	10.05	0.15
6/7/94	10	27.4166	1.4166	10.04	0.14
6/7/94	10	27.5	1.5	10.03	0.13
6/7/94	10	27.5833	1.5833	10.02	0.12
6/7/94	10	27.6667	1.6667	10.01	0.11
6/7/94	10	27.75	1.75	10	0.1
6/7/94	10	27.8333	1.8333	9.99	0.09
6/7/94	10	27.9167	1.9167	9.99	0.09
6/7/94	10	28	2	9.98	0.08
/7/94	10	28.5	2.5	9.95	0.05
6/7/94	10	29	3	9.93	0.03
6/7/94	10	29.5	3.5	9.92	0.02
6/7/94	10	30	4	9.91	0.01
6/7/94	10	30.5	4.5	9.91	0.01
6/7/94	10	31	5	9.91	0.01
6/7/94	10	31.5	5.5	9.9	0
6/7/94	10	32	6	9.9	0
6/7/94	10	32.5	6.5	9.9	0
6/7/94	10	33	7	9.9	0
6/7/94	10	33.5	7.5	9.9	0
6/7/94	10	34	8	9.9	0
6/7/94	10	34.5	8.5	9.9	0
6/7/94	10	35	9	9.9	0
6/7/94	10	35.5	9.5	9.9	0
6/7/94	10	36	10	9.9	0
6/7/94	10	38	12	9.9	0
6/7/94	10	40	14	9.9	0
6/7/94	10	42	16	9.9	0
6/7/94	10	44	18	9.9	0
5/7/94	10	46	20	9.9	0
/7/94/ذ	10	48	22	9.9	0



HYDRAULIC CONDUCTIVITY FOR MW-31 SLUG IN

```
'UT VARIABLES
   H =
                 41.24 FEET
  Lw =
                 7.24 FEET
  Le =
                 7.24 FEET
  Rc =
               0.1667 FEET
  Rw =
                  0.5 FEET
   T =
                   60 SEC (FROM SLUG TEST DATA)
  Yt =
                 0.21 FEET (FROM SLUG TEST DATA)
  Yo =
                0.585 FEET (Y-INT FROM SLUG TEST DATA PLOT)
Le/Rw =
                14.48 FEET
   A =
                    2
   B =
                 0.28
```

CALCULATIONS:

512 m 312

SLUG TEST DATA SHEET FOR MW-31 SLUG OUT

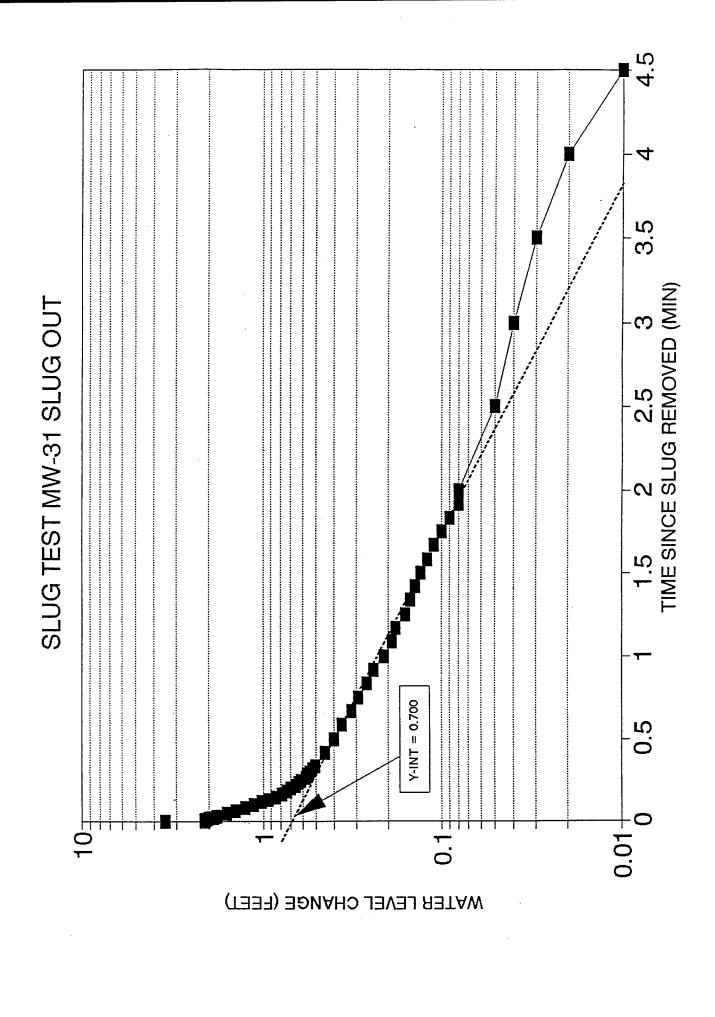
(HO) = 9.9 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
	11141		SLUG INTRO/	į i	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	H	H-H0
6/7/94	11	6	0	6.42	-3.48
6/7/94	11	6.0033	0.0033	7.8	-2.1
6/7/94	11	6.0066	0.0066	7.8	-2.1
	11	6.0099	0.0099	7.79	-2.11
6/7/94	11	6.0133	0.0033	7.82	-2.08
6/7/94				7.87	-2.03
6/7/94	11	6.0166	0.0166		
6/7/94	11	6.02	0.02	7.91	-1.99
6/7/94	11	6.0233	0.0233	7.96	-1.94
6/7/94	11	6.0266	0.0266	8.02	-1.88
6/7/94	11	6.03	0.03	8.07	-1.83
6/7/94	11	6.0333	0.0333	8.11	-1.79
6/7/94	11	6.05	0.05	8.3	-1.6
6/7/94	11 ·	6.0666	0.0666	8.47	-1.43
7/94	11	6.0833	0.0833	8.64	-1.26
6/7/94	11	6.1	0.1	8.77	-1.13
6/7/94	11	6.1166	0.1166	8.88	-1.02
6/7/94	11	6.1333	0.1333	8.97	-0.93
6/7/94	11	6.15	0.15	9.05	-0.85
6/7/94	11	6.1666	0.1666	9.11	-0.79
6/7/94	11	6.1833	0.1833	9.16	-0.74
6/7/94	11	6.2	0.2	9.2	-0.7
6/7/94	11	6.2166	0.2166	9.24	-0.66
6/7/94	11	6.2333	0.2333	9.26	-0.64
6/7/94	11	6.25	0.25	9.29	-0.61
6/7/94	11	6.2666	0.2666	9.32	-0.58
6/7/94	11	6.2833	0.2833	9.33	-0.57
6/7/94	11	6.3	0.3	9.35	-0.55
6/7/94	11	6.3166	0.3166	9.37	-0.53
6/7/94	11	6.3333	0.3333	9.39	-0.51
6/7/94	11	6.4167	0.4167	9.45	-0.45
6/7/94	11	6.5	0.5	9.5	-0.4
6/7/94	11	6.5833	0.5833	9.54	-0.36
6/7/94	11	6.6667	0.6667	9.58	-0.32
7/94		6.75	0.75	9.61	-0.29
7/94/د ر	11	6.8333	0.8333	9.64	-0.26
6/7/94	ļ	6.9167	0.9167	9.66	-0.24

SLUG TEST DATA SHEET FOR MW-31 SLUG OUT

. ATIC WATER LEVEL (HO) (HO) = 9.9 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	11	7	1	9.69	-0.21
6/7/94	11	7.0833	1.0833	9.71	-0.19
6/7/94	11	7.1667	1.1667	9.72	-0.18
6/7/94	11	7.25	1.25	9.74	-0.16
6/7/94	11	7.3333	1.3333	9.75	-0.15
6/7/94	11	7.4166	1.4166	9.76	-0.14
6/7/94	11	7.5	1.5	9.77	-0.13
6/7/94	11	7.5833	1.5833	9.78	-0.12
6/7/94	11	7.6667	1.6667	9.79	-0.11
6/7/94	11	7.75	1.75	9.8	-0.1
6/7/94	11	7.8333	1.8333	9.81	-0.09
6/7/94	11	7.9167	1.9167	9.82	-0.08
6/7/94	11	8	2	9.82	-0.08
7/94	11	8.5	2.5	9.85	-0.05
6/7/94	11	9	3	9.86	-0.04
6/7/94	11	9.5	3.5	9.87	-0.03
6/7/94	11	10	4	9.88	-0.02
6/7/94	11	10.5	4.5	9.89	-0.01
6/7/94	11	11	5	9.89	-0.01
6/7/94	11	11.5	5.5	9.89	-0.01
6/7/94	11	12	6	9.89	-0.01
6/7/94	11	12.5	6.5	9.89	-0.01
6/7/94	11	13	7	9.9	0
6/7/94	11	13.5	7.5	9.9	0
6/7/94	11	14	8	9.9	0
6/7/94	10	14.5	8.5	9.9	0
6/7/94	10	15	9	9.9	0
6/7/94	10	15.5	9.5	9.89	-0.01
6/7/94	10	16	10	9.9	0
6/7/94	10	18	12	9.9	0
6/7/94	10	20	14	9.9	0



HYDRAULIC CONDUCTIVITY FOR MW-31 SLUG OUT

```
: JT VARIABLES
  H =
               41.24 FEET
  Lw =
                7.24 FEET
  Le =
                7.24 FEET
  Rc =
              0.1667 FEET
 Rw =
                 0.5 FEET
  T =
                  60 SEC (FROM SLUG TEST DATA)
  Yt =
                0.21 FEET (FROM SLUG TEST DATA)
                 0.7 FEET (Y-INT FROM SLUG TEST DATA PLOT)
 Yo =
Le/Rw =
                14.48 FEET
  A =
                   2
   B =
                0.28
```

CALCULATIONS:

```
Ln (Re/Rw) = 1/((((1.1/ln(Lw/Rw)) + (A+B*ln((H-Lw)/Rw))/(Le/Rw)))

Ln (Re/Rw) = 1.584102
```

 $K = ((Rc^2*ln(Re/Rw))/2*Le)*1/T*(ln(Yo/Yt))$ K = 6.10029970E-05 FT/SEC

Hydraulic Conductivty Calculations

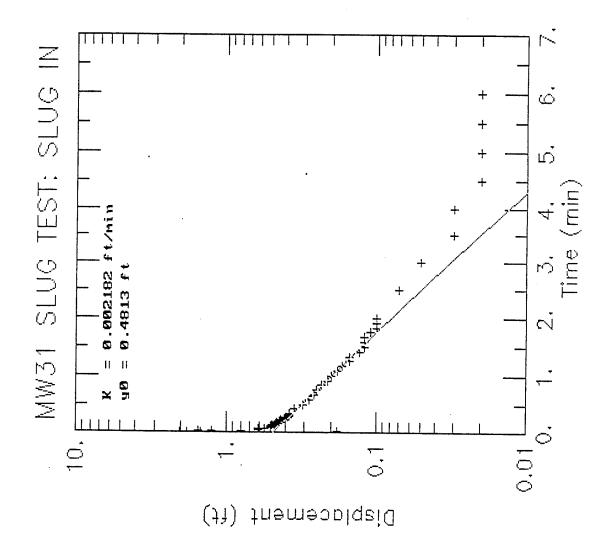
Computed by: DFP Location: AREE 8 Project: Woodbridge Research Facility Checked by: Project Number: 931976-03 Well Number: MW31 Date Completed: 05/03/95 Reference: Bower and Rice Method (1976) Depth (feet) Well Construction - Top of Casing 2.14 ft. — Ground 4.14 ft. ____ _ Top/Seal 6.14 ft. —— _ Top/Sand 7.14 ft. —— _ Top/Screen 9.80 ft. -_ Water/Table 17.14 ft. -Bottom/Screen 51.14 ft. -Bottom Aquifer Explanation Depth of Saturated Zone = 41.34 feet Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.34 feet Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet = Inside Radius of Well Casing = 0.17 feet Radius of Well Developed Zone (Borehole) = 0.50 feet

SLUG TEST DATA SHEET FOR MW31: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
ĺ			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	9	33	0	9.80	0.00
4/27/95	9	33.0033	0.0033	7.77	2.03
4/27/95	9	33.0066	0.0066	9.23	0.57
4/27/95	9	33.0099	0.0099	8.32	1.48
4/27/95	9	33.0133	0.0133	9.10	0.70
4/27/95	9	33.0166	0.0166	9.31	0.49
4/27/95	9	33.02	0.02	7.99	1.81
4/27/95	. 9	33.0233	0.0233	8.55	1.25
4/27/95	9	33.0266	0.0266	8.26	1.54
4/27/95	9	33.03	0.03	9.00	0.80
4/27/95	9	33.0333	0.0333	9.62	0.18
4/27/95	9	33.05	0.05	9.19	0.61
4/27/95	9	33.0666	0.0666	9.19	0.61
4/27/95	9	33.0833	0.0833	9.25	0.55
4/27/95	9	33.1	0.1	9.30	0.50
4/27/95	9	33.1166	0.1166	9.30	0.50
4/27/95	9	33.1333	0.1333	9.31	0.49
4/27/95	9	33.15	0.15	9.32	0.48
4/27/95	9	33.1666	0.1666	9.33	0.47
4/27/95	9	33.1833	0.1833	9.34	0.46
4/27/95	9	33.2	0.2	9.36	0.44
4/27/95	9	33.2166	0.2166	9.37	0.43
4/27/95	9	33.2333	0.2333	9.37	0.43
4/27/95	9	33.25	0.25	9.39	0.41
4/27/95	9	33.2666	0.2666	9.40	0.40
4/27/95	9	33.2833	0.2833	9.41	0.39
4/27/95	9	33.3	0.3	9.42	0.38
4/27/95	9	33.3166	0.3166	9.42	0.38
4/27/95	9	33.3333	0.3333	9.42	0.38
4/27/95	9	33.4167	0.4167	9.45	0.35
4/27/95	9	33.5	0.5	9.49	0.31
4/27/95	9	33.5833	0.5833	9.52	0.28
4/27/95	9	33.6667	0.6667	9.54	0.26
4/27/95	9	33.75	0.75	9.55	0.25
4/27/95	9	33.8333	0.8333	9.57	0.23
4/27/95	9	33.9167	0.9167	9.59	0.21

SLUG TEST DATA SHEET FOR MW31: SLUG IN

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	H0-H
4/27/95	9	34	1	9.60	0.20
4/27/95	9	34.0833	1.0833	9.62	0.18
4/27/95	9	34.1667	1.1667	9.63	0.17
4/27/95	9	34.25	1.25	9.65	0.15
4/27/95	9	34.3333	1.3333	9.65	0.15
4/27/95	9	34.4166	1.4166	9.67	0.13
4/27/95	9	34.5	1.5	9.68	0.12
4/27/95	9	34.5833	1.5833	9.68	0.12
4/27/95	9	34.6667	1.6667	9.68	0.12
4/27/95	9	34.75	1.75	9.69	0.11
4/27/95	9	34.8333	1.8333	9.70	0.10
4/27/95	9	34.9167	1.9167	9.70	0.10
4/27/95	9	35	2	9.70	0.10
4/27/95	9	35.5	2.5	9.73	0.07
4/27/95	9	36	3	9.75	0.05
4/27/95	9	36.5	3.5	9.77	0.03
4/27/95	9	37	4	9.77	0.03
4/27/95	9	37.5	4.5	9.78	0.02
4/27/95	9	38	5	9.78	0.02
4/27/95	9	38.5	5.5	9.78	0.02
4/27/95	9	39	6	9.78	0.02
4/27/95	9	39.5	6.5	9.79	0.01
4/27/95	9	40	7	9.79	0.01
4/27/95	9	40.5	7.5	9.79	0.01
4/27/95	9	41	8	9.79	0.01
4/27/95	9	41.5	8.5	9.79	0.01
4/27/95	9	42	9	9.80	0.00
4/27/95	9	42.5	9.5	9.80	0.00
4/27/95	9	43	10	9.80	0.00
4/27/95	9	44	11	9.80	0.00

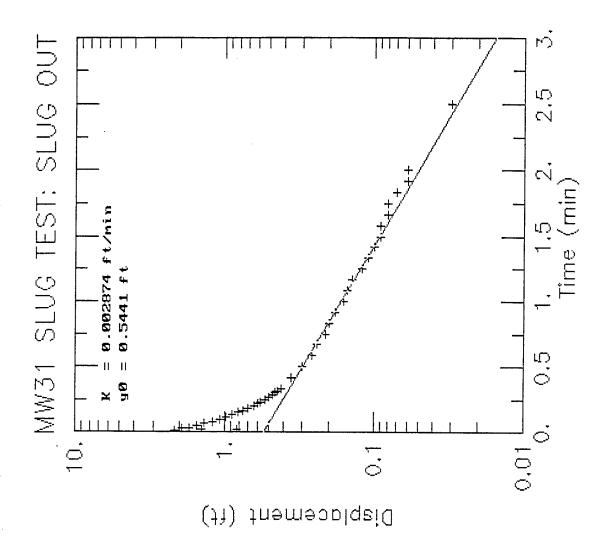


SLUG TEST DATA SHEET FOR MW31: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	12	14	0	9.80	0.00
4/27/95	12	14.0033	0.0033	9.80	0.00
4/27/95	12	14.0066	0.0066	9.69	0.11
4/27/95	12	14.0099	0.0099	9.79	0.01
4/27/95	12	14.0133	0.0133	10.46	-0.66
4/27/95	12	14.0166	0.0166	11.94	-2.14
4/27/95	12	14.02	0.02	10.33	-0.53
4/27/95	12	14.0233	0.0233	10.63	-0.83
4/27/95	12	14.0266	0.0266	11.23	-1.43
4/27/95	12	14.03	0.03	11.72	-1.92
4/27/95	12	14.0333	0.0333	11.51	-1.71
4/27/95	12	14.05	0.05	11.33	-1.53
4/27/95	12	14.0666	0.0666	11.16	-1.36
4/27/95	12	14.0833	0.0833	11.01	-1.21
4/27/95	12	14.1	0.1	10.88	-1.08
4/27/95	12	14.1166	0.1166	10.78	-0.98
4/27/95	12	14.1333	0.1333	10.69	-0.89
4/27/95	12	14.15	0.15	10.61	-0.81
4/27/95	12	14.1666	0.1666	10.55	-0.75
4/27/95	12	14.1833	0.1833	10.49	-0.69
4/27/95	12	14.2	0.2	10.43	-0.63
4/27/95	12	14.2166	0.2166	10.40	-0.60
4/27/95	12	14.2333	0.2333	10.37	-0.57
4/27/95	12	14.25	0.25	10.33	-0.53
4/27/95	12	14.2666	0.2666	10.30	-0.50
4/27/95	12	14.2833	0.2833	10.28	-0.48
4/27/95	12	14.3	0.3	10.26	-0.46
4/27/95	12	14.3166	0.3166	10.24	-0.44
4/27/95	12	14.3333	0.3333	10.22	-0.42
4/27/95	12	14.4167	0.4167	10.16	-0.36
4/27/95	12	14.5	0.5	10.10	-0.30
4/27/95	12	14.5833	0.5833	10.06	-0.26
4/27/95	12	14.6667	0.6667	10.04	-0.24
4/27/95	12	14.75	0.75	10.01	-0.21
4/27/95	12	14.8333	0.8333	10.00	-0.20
4/27/95	12	14.9167	0.9167	9.98	-0.18

SLUG TEST DATA SHEET FOR MW31: SLUG OUT

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	12	15	1	9.96	-0.16
4/27/95	12	15.0833	1.0833	9.95	-0.15
4/27/95	12	15.1667	1.1667	9.94	-0.14
4/27/95	12	15.25	1.25	9.92	-0.12
4/27/95	12	15.3333	1.3333	9.91	-0.11
4/27/95	12	15.4166	1.4166	9.90	-0.10
4/27/95	12	15.5	1.5	9.89	-0.09
4/27/95	12	15.5833	1.5833	9.89	-0.09
4/27/95	12	15.6667	1.6667	9.88	-0.08
4/27/95	12	15.75	1.75	9.88	-0.08
4/27/95	12	15.8333	1.8333	9.87	-0.07
4/27/95	12	15.9167	1.9167	9.86	-0.06
4/27/95	12	16	2	9.86	-0.06
4/27/95	12	16.5	2.5	9.83	-0.03
4/27/95	12	17	3	9.81	-0.01
4/27/95	12	17.5	3.5	9.80	0.00
4/27/95	12	18	4	9.80	0.00
4/27/95	12	18.5	4.5	9.80	0.00
4/27/95	12	19	5	9.80	0.00
4/27/95	12	19.5	5.5	9.80	0.00
4/27/95	12	20	6	9.80	0.00
4/27/95	12	20.5	6.5	9.80	0.00
4/27/95	12	21	7	9.80	0.00
4/27/95	12	21.5	7.5	9.80	0.00
4/27/95	12	. 22	8	9.80	0.00
4/27/95	12	22.5	8.5	9.80	0.00
4/27/95	12	23	9	9.80	0.00
4/27/95	12	23.5	9.5	9.80	0.00
4/27/95	12	24	10	9.80	0.00



HYDRAULIC CONDUCTIVITY CALCULATIONS

Project: Woodbridge Research Facility

Location: AREE 8

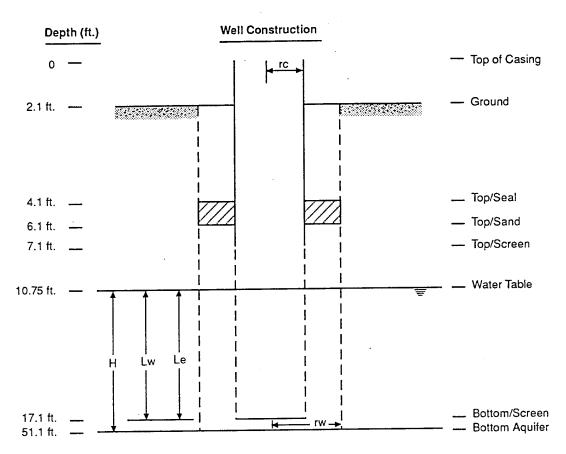
Computed By: KMS
Checked By: CL

Project Number: 931976-03

Well Number: MW32 S

Date Completed: 6-7-94

Reference: Bower and Rice Method (1976)

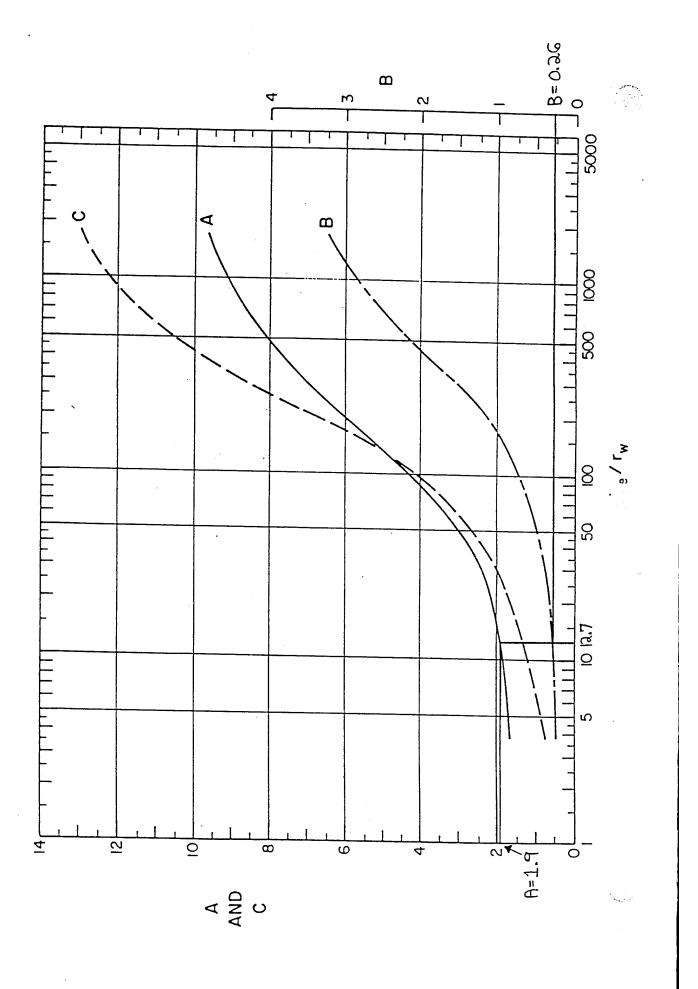


Explanation

- H = Depth of Saturated Zone = 40.35 ft.
- Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 6.35 ft.
- Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 6.35 ft.
- rc = Inside Radius of Well Casing = 0.1667 ft.
- rw = Radius of Well Developed Zone (Borehole) = 0.5 ft.

Le/rw = 12.7

- A = From Attached Curve = 1.90
- B = From Attached Curve = 0.26
- C = Not Applicable



SLUG TEST DATA SHEET FOR MW-32S SLUG IN

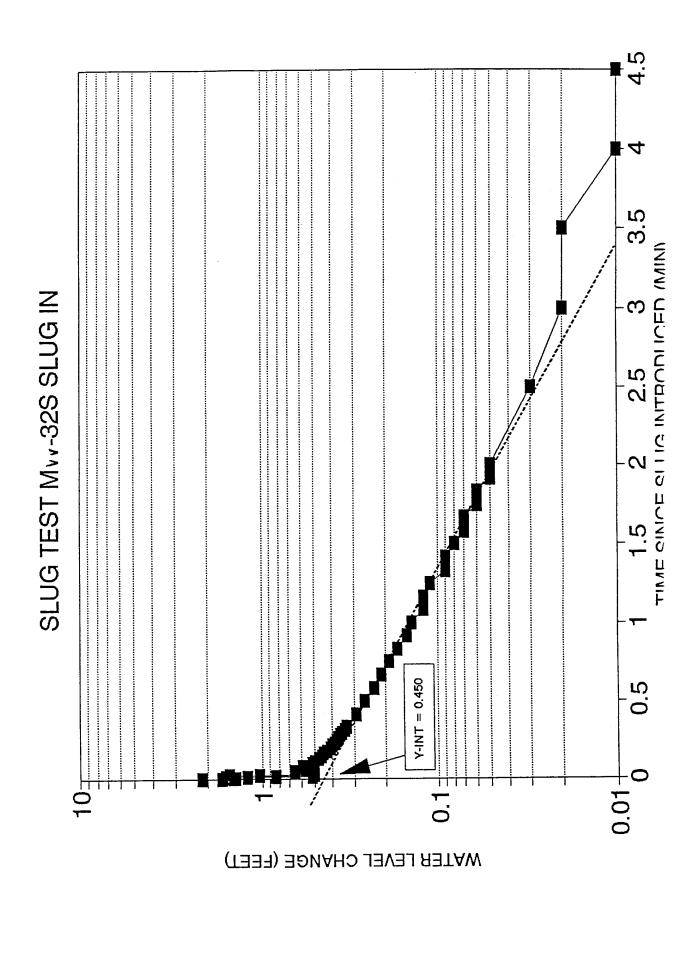
.ATIC WATER LEVEL (HO) (HO) = 10.75 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-Н0
6/7/94	11	42	0	12.88	2.13
6/7/94	11	42.0033	0.0033	12.43	1.68
6/7/94	11	42.0066	0.0066	12.15	1.4
6/7/94	11	42.0099	0.0099	12.19	1.44
6/7/94	11	42.0133	0.0133	12.35	1.6
6/7/94	11	42.0166	0.0166	11.96	1.21
6/7/94	11	42.02	0.02	11.59	0.84
6/7/94	11	42.0233	0.0233	11.27	0.52
6/7/94	11	42.0266	0.0266	11.78	1.03
6/7/94	11	42.03	0.03	12.26	1.51
6/7/94	11	42.0333	0.0333	11.25	0.5
6/7/94	11	42.05	0.05	11.4	0.65
6/7/94	11	42.0666	0.0666	11.32	0.57
7/94	11	42.0833	0.0833	11.34	0.59
6/7/94	11	42.1	0.1	11.27	0.52
6/7/94	11	42.1166	0.1166	11.25	0.5
6/7/94	11	42.1333	0.1333	11.23	0.48
6/7/94	11	42.15	0.15	11.21	0.46
6/7/94	11	42.1666	0.1666	11.2	0.45
6/7/94	11	42.1833	0.1833	11.18	0.43
6/7/94	11	42.2	0.2	11.16	0.41
6/7/94	11	42.2166	0.2166	11.15	0.4
6/7/94	11	42.2333	0.2333	11.14	0.39
6/7/94	11	42.25	0.25	11.13	0.38
6/7/94	11	42.2666	0.2666	11.12	0.37
6/7/94	11	42.2833	0.2833	11.11	0.36
6/7/94	11	42.3	0.3	11.1	0.35
6/7/94	11	42.3166	0.3166	11.09	0.34
6/7/94	11	42.3333	0.3333	11.08	0.33
6/7/94	11	42.4167	0.4167	11.04	0.29
6/7/94	11	42.5	0.5	11.01	0.26
6/7/94	11	42.5833	0.5833	10.98	0.23
6/7/94	11	42.6667	0.6667	10.96	0.21
7/7/94	11	42.75	0.75	10.94	0.19
,7/94	11	42.8333	0.8333	10.92	0.17
6/7/94	11	42.9167	0.9167	10.9	0.15

SLUG TEST DATA SHEET FOR MW-32S SLUG IN

.ATIC WATER LEVEL (HO) (HO) = 10.75 FT TOC

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-Н0
6/7/94	11	43	1	10.89	0.14
6/7/94	11	43.0833	1.0833	10.87	0.12
6/7/94	11	43.1667	1.1667	10.87	0.12
6/7/94	11	43.25	1.25	10.86	0.11
6/7/94	11	43.3333	1.3333	10.84	0.09
6/7/94	11	43.4166	1.4166	10.84	0.09
6/7/94	11	43.5	1.5	10.83	0.08
6/7/94	11	43.5833	1.5833	10.82	0.07
6/7/94	11	43.6667	1.6667	10.82	0.07
6/7/94	11	43.75	1.75	10.81	0.06
6/7/94	11	43.8333	1.8333	10.81	0.06
6/7/94	11	43.9167	1.9167	10.8	0.05
6/7/94	11	44	2	10.8	0.05
7/94	11	44.5	2.5	10.78	0.03
6/7/94	11	45	3	10.77	0.02
6/7/94	11	45.5	3.5	10.77	0.02
6/7/94	11	46	4	10.76	0.01
6/7/94	11	46.5	4.5	10.76	0.01
6/7/94	11	47	5	10.75	0
6/7/94	11	47.5	5.5	10.75	0
6/7/94	11	48	6	10.75	0
6/7/94	· 11	48.5	6.5	10.75	0
6/7/94	11	49	7	10.75	0
6/7/94	11	49.5	7.5	10.75	0
6/7/94	11	50	8	10.75	0
6/7/94	11	50.5	8.5	10.75	0
6/7/94	11	51	9	10.75	0
6/7/94	11	51.5	9.5	10.75	0
6/7/94	11	52	10	10.75	0
6/7/94	11	54	12	10.75	0



HYDRAULIC CONDUCTIVITY FOR MW-32S SLUG IN

JT VARIABLES H =40.35 FEET Lw =6.35 FEET Le = 6.35 FEET Rc =0.1667 FEET Rw =0.5 FEET 60 SEC (FROM SLUG TEST DATA) T =Yt =0.14 FEET (FROM SLUG TEST DATA) 0.45 FEET (Y-INT FROM SLUG TEST DATA PLOT) Yo = Le/Rw = 12.7 FEET A = 1.9 B = 0.26

CALCULATIONS:

K = 6.36683917E-05 FT/SEC

117 323 4

SLUG TEST DATA SHEET FOR MW-32S SLUG OUT

ATIC WATER LEVEL (HO) (HO) = 10.75 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-Н0
6/7/94	12	0	0	8.67	-2.08
6/7/94	12	0.0033	0.0033	8.74	-2.01
6/7/94	12	0.0066	0.0066	8.79	-1.96
6/7/94	12	0.0099	0.0099	8.86	-1.89
6/7/94	12	0.0133	0.0133	8.93	-1.82
6/7/94	12	0.0166	0.0166	9	-1.75
6/7/94	12	0.02	0.02	9.06	-1.69
6/7/94	12	0.0233	0.0233	9.12	-1.63
6/7/94	12	0.0266	0.0266	9.18	-1.57
6/7/94	12	0.03	0,03	9.24	-1.51
6/7/94	12	0.0333	0.0333	9.28	-1.47
6/7/94	12	0.05	0.05	9.52	-1.23
6/7/94	12	0.0666	0.0666	9.73	-1.02
7/94	12	0.0833	0.0833	9.86	-0.89
6/7/94	12	0.1	0.1	9.98	-0.77
6/7/94	12	0.1166	0.1166	10.07	-0.68
6/7/94	12	0.1333	0.1333	10.14	-0.61
6/7/94	12	0.15	0.15	10.19	-0.56
6/7/94	12	0.1666	0.1666	10.24	-0.51
6/7/94	12	0.1833	0.1833	10.27	-0.48
6/7/94	12	0.2	0.2	10.3	-0.45
6/7/94	12	0.2166	0.2166	10.32	-0.43
6/7/94	12	0.2333	0.2333	10.34	-0.41
6/7/94	12	0.25	0.25	10.36	-0.39
6/7/94	12	0.2666	0.2666	10.37	-0.38
6/7/94	12	0.2833	0.2833	10.38	-0.37
6/7/94		0.3	0.3	10.4	-0.35
6/7/94	12	0.3166	0.3166	10.41	-0.34
6/7/94	12	0.3333	0.3333	10.42	-0.33
6/7/94	12	0.4167	0.4167	10.47	-0.28
6/7/94	12	0.5	0.5	10.5	-0.25
6/7/94	12	0.5833	0.5833	10.54	-0.21
6/7/94	12	0.6667	0.6667	10.56	-0.19
\ ³ /7/94	12	0.75	0.75	10.58	-0.17
./7/94	12	0.8333	0.8333	10.6	-0.15
6/7/94	12	0.9167	0.9167	10.62	-0.13

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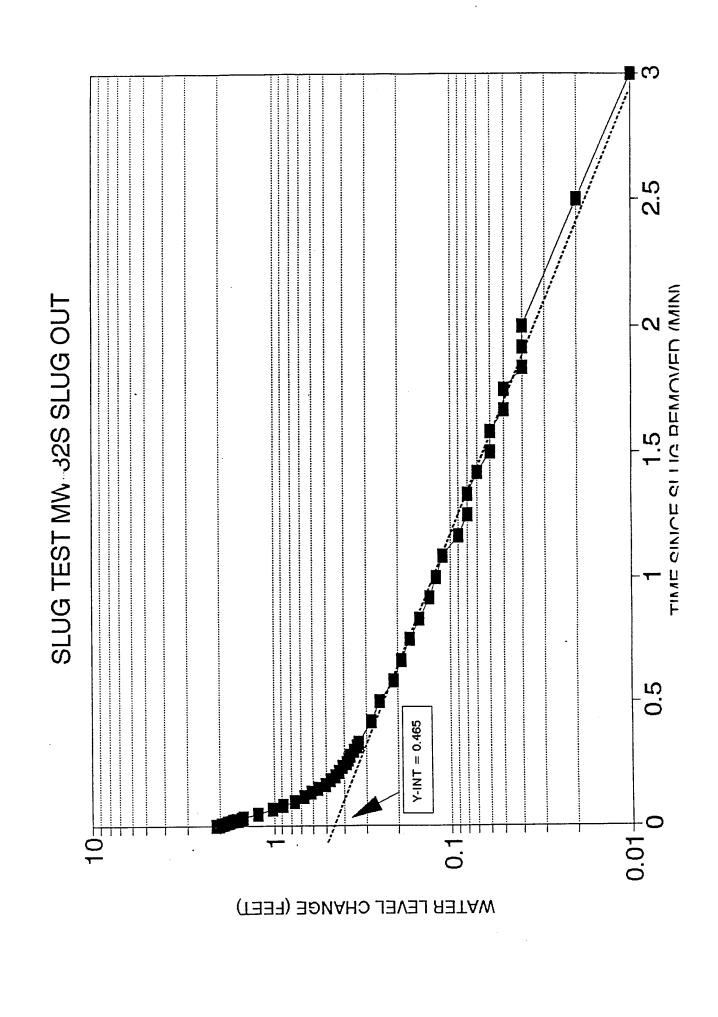
K17 + W + L1

K

SLUG TEST DATA SHEET FOR MW-32S SLUG OUT

ATIC WATER LEVEL (HO) (HO) = 10.75 FT TOC

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	12	1	1	10.63	-0.12
6/7/94	12	1.0833	1.0833	10.64	-0.11
6/7/94	12	1.1667	1.1667	10.66	-0.09
6/7/94	12	1.25	1.25	10.67	-0.08
6/7/94	12	1.3333	1.3333	10.67	-0.08
6/7/94	12	1.4166	1.4166	10.68	-0.07
6/7/94	12	1.5	1.5	10.69	-0.06
6/7/94	12	1.5833	1.5833	10.69	-0.06
6/7/94	12	1.6667	1.6667	10.7	-0.05
6/7/94	12	1.75	1.75	10.7	-0.05
6/7/94	12	1.8333	1.8333	10.71	-0.04
6/7/94	12	1.9167	1.9167	10.71	-0.04
6/7/94	12	2	2	10.71	-0.04
7/94	12	2.5	2.5	10.73	-0.02
o/7/94	12	3	3	10.74	-0.01
6/7/94	12	3.5	3.5	10.75	0
6/7/94	12	4	4	10.75	0
6/7/94	12	4.5	4.5	10.75	0
6/7/94	12	5	5	10.75	0
6/7/94	12	5.5	5.5	10.75	0
6/7/94	12	6	6	10.75	0
6/7/94	12	6.5	6.5	10.75	0
6/7/94	12	7	7	10.75	0
6/7/94	12	7.5	7.5	10.75	0
6/7/94	12	8	8	10.75	0
6/7/94	12	8.5	8.5	10.75	0
6/7/94	12	9	9	10.75	0
6/7/94	12	9.5	9.5	10.75	0
6/7/94	12	10	10	10.75	0
6/7/94	12	12	12	10.75	0



HYDRAULIC CONDUCTIVITY FOR MW-32S SLUG OUT

JT VARIABLES H =40.35 FEET Lw =6.35 FEET Le = 6.35 FEET Rc =0.1667 FEET Rw =0.5 FEET T = 60 SEC (FROM SLUG TEST DATA) Yt = 0.12 FEET (FROM SLUG TEST DATA) 0.465 FEET (Y-INT FROM SLUG TEST DATA PLOT) Yo = Le/Rw = 12.7 FEET A = 1.9 B =0.26

CALCULATIONS:

K = 7.38620783E-05 FT/SEC

HYDRAULIC CONDUCTIVITY CALCULATIONS

Project: Woodbridge Research Facility

Location: AREE 8

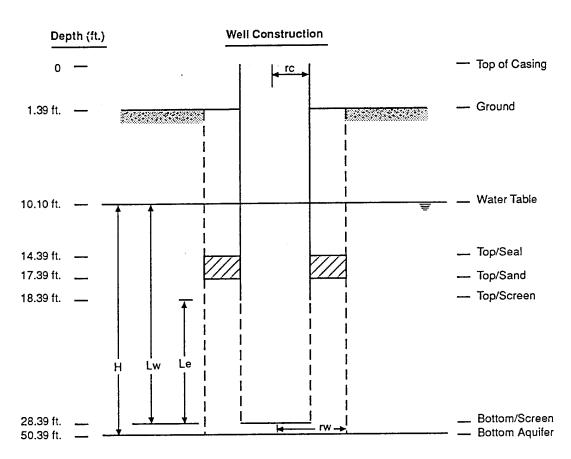
Computed By: KMS
Checked By: CL

Project Number: 931976-03

Well Number: MW32 D

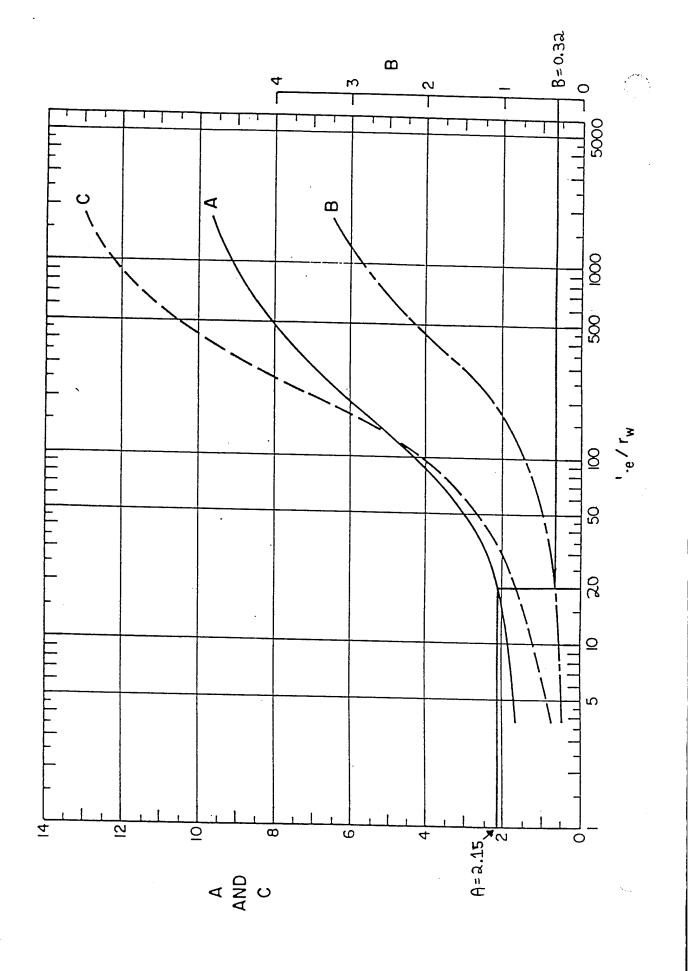
Date Completed: 6-7-94

Reference: Bower and Rice Method (1976)



Explanation

- H = Depth of Saturated Zone = 40.29 ft.
- Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 18.29 ft.
- Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10.0 ft.
- rc = Inside Radius of Well Casing = 0.1667 ft.
- rw = Radius of Well Developed Zone (Borehole) = 0.5 ft.
- Le/rw = 20.0
 - A = From Attached Curve = 2.15
 - B = From Attached Curve = 0.32
 - C = Not Applicable



5ND 3201

7.1200 ...

SLUG TEST DATA SHEET FOR MW-32D SLUG IN

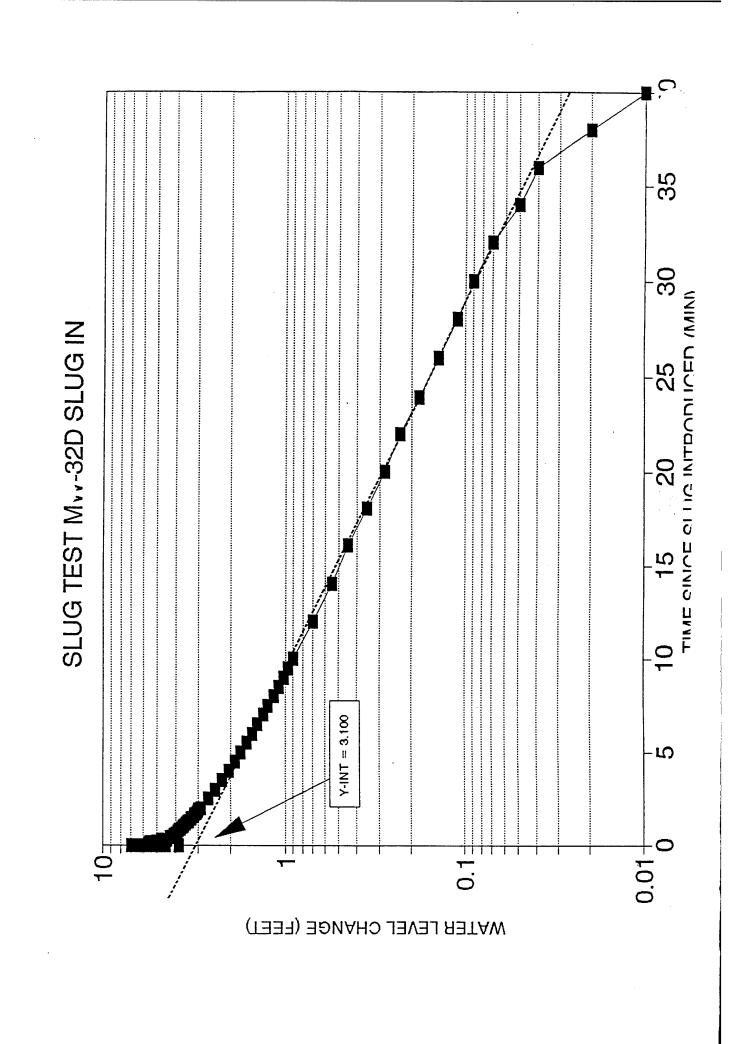
	TIME		TIME ONOT	WATER LEVEL	MATER
	TIME		TIME SINCE	WATER LEVEL	
			SLUG INTRO/	`	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	13	42	0	13.92	·3.82
6/7/94	13	42.0033	0.0033	14.61	4.51
6/7/94	13.	42.0066	0.0066	15.92	5.82
6/7/94	13	42.0099	0.0099	17.07	6.97
6/7/94	13	42.0133	0.0133	17	6.9
6/7/94	13	42.0166	0.0166	15.72	5.62
6/7/94	13	42.02	0.02	15.06	4.96
6/7/94	13	42.0233	0.0233	15.58	5.48
6/7/94	13	42.0266	0.0266	16.31	6.21
6/7/94	13	42.03	0.03	16.32	6.22
6/7/94	13	42.0333	0.0333	15.75	5.65
6/7/94	13	42.05	0.05	15.78	5.68
6/7/94	13	42.0666	0.0666	15.75	5.65
7/94	13	42.0833	0.0833	15.73	5.63
ri/7/94	13	42.1	0.1	15.73	5.63
6/7/94	13	42.1166	0.1166	15.74	5.64
6/7/94	13	42.1333	0.1333	15.73	5.63
6/7/94	13	42.15	0.15	15.47	5.37
6/7/94	13	42.1666	0.1666	15.62	5.52
6/7/94	13	42.1833	0.1833	15.42	5.32
6/7/94	13	42.2	0.2	15.44	5.34
6/7/94	13	42.2166	0.2166	15.17	5.07
6/7/94	13	42.2333	0.2333	15.04	4.94
6/7/94	13	42.25	0.25	15.02	4.92
6/7/94	13	42.2666	0.2666	14.91	4.81
6/7/94	13	42.2833	0.2833	14.66	4.56
6/7/94	13	42.3	0.3	14.9	4.8
6/7/94	13	42.3166	0.3166	14.87	4.77
6/7/94	13	42.3333	0.3333	14.54	4.44
6/7/94	13	42.4167	0.4167	14.38	4.28
6/7/94	13	42.5	0.5	14.29	4.19
6/7/94	13	42.5833	0.5833	14.19	4.09
6/7/94	13	42.6667	0.6667	14.09	3.99
°/7/94	13	42.75	0.75	14	3.9
/7/94	13	42.8333	0.8333	13.92	3.82
6/7/94	13	42.9167	0.9167	13.84	3.74

SLUG TEST DATA SHEET FOR MW-32D SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	13	43	1	13.76	3.66
6/7/94	13	43.0833	1.0833	13.68	3.58
6/7/94	13	43.1667	1.1667	13.61	3.51
6/7/94	13	43.25	1.25	13.54	3.44
6/7/94	13	43.3333	1.3333	13.48	3.38
6/7/94	13	43.4166	1.4166	13.42	3.32
6/7/94	13	43.5	1.5	13.36	3.26
6/7/94	13	43.5833	1.5833	13.3	3.2
6/7/94	13	43.6667	1.6667	13.24	3.14
6/7/94	13	43.75	1.75	13.18	3.08
6/7/94	13	43.8333	1.8333	13.12	3.02
6/7/94	13	43.9167	1.9167	13.08	2.98
6/7/94	13	44	2	13.03	2.93
7/94	13	44.5	2.5	12.75	2.65
6/7/94	13	45	3	12.52	2.42
6/7/94	13	45.5	3.5	12.32	2.22
6/7/94	13	46	4	12.14	2.04
6/7/94	13	46.5	4.5	11.99	1.89
6/7/94	13	47	5	11.85	1.75
6/7/94	13	47.5	5.5	11.73	1.63
6/7/94	13	48	6	11.62	1.52
6/7/94	13	48.5	6.5	11.52	1.42
6/7/94	13	49	7	11.42	1.32
6/7/94	13	49.5	7.5	11.34	1.24
6/7/94	13	50	8	11.26	1.16
6/7/94	13	50.5	8.5	11.19	1.09
6/7/94	13	51	9	11.12	1.02
6/7/94	13	51.5	9.5	11.06	0.96
6/7/94	13	52	10	11	0.9
6/7/94	13	54	12	10.8	0.7
6/7/94	13	56	14	10.65	0.55
6/7/94	13	58	16	10.55	0.45
6/7/94	14	0	18 .	10.45	0.35
^/7/94	14	2	20	10.38	0.28
./7/94	14	4	22	10.33	0.23
6/7/94	14	6	24	10.28	0.18

SLUG TEST DATA SHEET FOR MW-32D SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
		SLUG INTRO/	(FT. BELOW	LEVEL	
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	14	8	26	10.24	0.14
6/7/94	14	10	28	10.21	0.11
6/7/94	14	12	30	10.19	0.09
6/7/94	14	14	32	10.17	0.07
6/7/94	14	16	34	10.15	0.05
6/7/94	14	18	36	10.14	0.04
6/7/94	14	20	38	10.12	0.02
6/7/94	14	22	40	10.11	0.01
6/7/94	14	24	42	10.1	0
6/7/94	14	26	44	10.1	0
6/7/94	14	28	46	10.1	0
6/7/94	14	30	48	10.1	0
6/7/94	14	32	50	10.1	0



HYDRAULIC CONDUCTIVITY FOR MW-32D SLUG IN

```
JT VARIABLES
  H =
                40.29 FEET
  Lw =
                18.29 FEET
  Le =
                  10 FEET
  Rc =
               0.1667 FEET
                  0.5 FEET
 Rw =
                 300 SEC (FROM SLUG TEST DATA)
  T =
                 1.75 FEET (FROM SLUG TEST DATA)
  Yt =
                 3.1 FEET (Y-INT FROM SLUG TEST DATA PLOT)
 Yo =
Le/Rw =
                  20 FEET
   A =
                 2.15
                 0.32
   B =
CALCULATIONS:
```

```
Ln (Re/Rw) = 1/((((1.1/ln(Lw/Rw)) + (A+B*ln((H-Lw)/Rw))/(Le/Rw)))
          Ln (Re/Rw) = 2.111286
K = ((Rc^2*ln(Re/Rw))/2*Le)*1/T*(ln(Yo/Yt))
  K = 5.59114625E-06 FT/SEC
```

SN9 3202

F. 1: ...

SLUG TEST DATA SHEET FOR MW-32D SLUG OUT

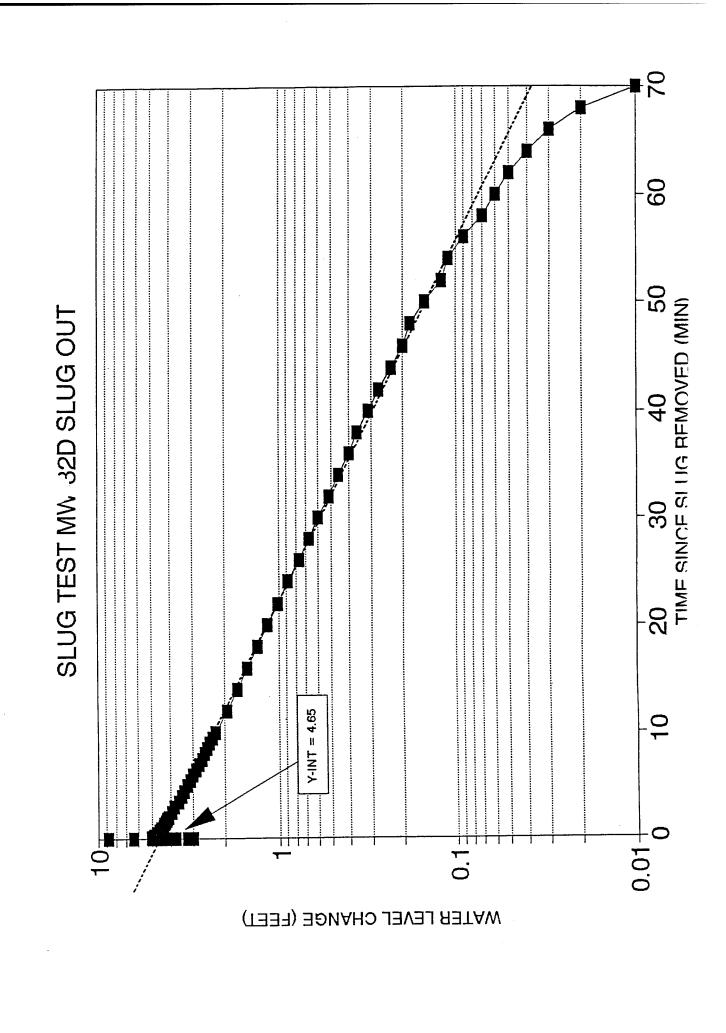
	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/		LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	14	34	0	1.34	-8.76
6/7/94	14	34.0033	0.0033	3.71	-6.39
6/7/94	14	34.0066	0.0066	5.23	-4.87
6/7/94	14	34.0099	0.0099	5.44	-4.66
6/7/94	14	34.0133	0.0133	5.39	-4.71
6/7/94	14	34.0166	0.0166	5.56	-4.54
6/7/94	14	34.02	0.02	5.74	-4.36
6/7/94	14	34.0233	0.0233	6.07	-4.03
6/7/94	14	34.0266	0.0266	7.11	-2.99
6/7/94	14	34.03	0.03	6.37	-3.73
6/7/94	14	34.0333	0.0333	5.04	-5.06
6/7/94	14	34.05	0.05	6.35	-3.75
6/7/94	14	34.0666	0.0666	6.86	-3.24
7/94	14	34.0833	0.0833	5.25	-4.85
1 6/7/94	14	34.1	0.1	5.46	-4.64
6/7/94	14	34.1166	0.1166	5.27	-4.83
6/7/94	14	34.1333	0.1333	4.99	-5.11
6/7/94	14	34.15	0.15	5.07	-5.03
6/7/94	14	34.1666	0.1666	5.13	-4.97
6/7/94	14	34.1833	0.1833	5.14	-4.96
6/7/94	14	34.2	0.2	5.15	-4.95
6/7/94	14	34.2166	0.2166	5.16	-4.94
6/7/94	14	34.2333	0.2333	5.19	-4.91
6/7/94	14	34.25	0.25	5.2	-4.9
6/7/94	14	34.2666	0.2666	5.14	-4.96
6/7/94	14	34.2833	0.2833	5.21	-4.89
6/7/94	14	34.3	0.3	5.21	-4.89
6/7/94	14	34.3166	0.3166	5.24	-4.86
6/7/94	14	34.3333	0.3333	5.26	-4.84
6/7/94	14	34.4167	0.4167	5.31	-4.79
6/7/94	14	34.5	0.5	5.34	-4.76
6/7/94	14	34.5833	0.5833	5.39	-4.71
6/7/94	14	34.6667	0.6667	5.46	-4.64
5/7/94	14	34.75	0.75	5.51	-4.59
7/94/ر	14	34.8333	0.8333	5.54	-4.56
6/7/94	14	34.9167	0.9167	5.58	-4.52

SLUG TEST DATA SHEET FOR MW-32D SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	14	35	1	5.62	-4.48
6/7/94	14	35.0833	1.0833	5.65	-4.45
6/7/94	14	35.1667	1.1667	5.69	-4.41
6/7/94	14	35.25	1.25	5.72	-4.38
6/7/94	14	35.3333	1.3333	5.75	-4.35
6/7/94	14	35.4166	1.4166	5.79	-4.31
6/7/94	14	35.5	1.5	5.82	-4.28
6/7/94	14	35.5833	1.5833	5.85	-4.25
6/7/94	14	35.6667	1.6667	5.88	-4.22
6/7/94	14	35.75	1.75	5.91	-4.19
6/7/94	14	35.8333	1.8333	5.94	-4.16
6/7/94	14	35.9167	1.9167	5.97	-4.13
6/7/94	14	36	2	6	-4.1
7/94	14	36.5	2.5	6.17	-3.93
6/7/94	14	37	3	6.33	-3.77
6/7/94	14	37.5	3.5	6.48	-3.62
6/7/94	14	38	4	6.62	-3.48
6/7/94	14	38.5	4.5	6.75	-3.35
6/7/94	14	39	5	6.88	-3.22
6/7/94	14	39.5	5.5	7	-3.1
6/7/94	14	40	6	7.11	-2.99
6/7/94	14	40.5	6.5	7.22	-2.88
6/7/94	14	41	7	7.32	-2.78
6/7/94	14	41.5	7.5	7.42	-2.68
6/7/94	14	42	8	7.51	-2.59
6/7/94	14	42.5	8.5	7.6	-2.5
6/7/94	14	43	9	7.69	-2.41
6/7/94	14	43.5	9.5	7.77	-2.33
6/7/94	14	44	10	7.85	-2.25
333	14	46	12	8.15	-1.95
6/7/94	14	48	14	8.4	-1.7
6/7/94	14	50	16	8.61	-1.49
6/7/94	14	52	18 .	8.79	-1.31
7/94	14	54	20	8.95	-1.15
7/94ر	14	56	22	9.09	-1.01
6/7/94	14	58	24	9.21	-0.89

SLUG TEST DATA SHEET FOR MW-32D SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-НО
6/7/94	15	0	26	9.33	-0.77
6/7/94	15	2	28	9.42	-0.68
6/7/94	15	4	30	9.5	-0.6
6/7/94	15	6	32	9.58	-0.52
6/7/94	15	8	34	9.64	-0.46
6/7/94	15	10	36	9.7	-0.4
6/7/94	15	12	38	9.74	-0.36
6/7/94	15	14	40	9.79	-0.31
6/7/94	15	16	42	9.83	-0.27
6/7/94	15	18	44	9.87	-0.23
6/7/94	15	20	46	9.9	-0.2
6/7/94	15	22	48	9.92	-0.18
6/7/94	15	24	50	9.95	-0.15
7/94	15	26	52	9.98	-0.12
6/7/94	15	28	54	9.99	-0.11
6/7/94	15	30	56	10.01	-0.09
6/7/94	15	32	58	10.03	-0.07
6/7/94	15	34	60	10.04	-0.06
6/7/94	15	36	62	10.05	-0.05
6/7/94	15	38	64	10.06	-0.04
6/7/94	15	40	66	10.07	-0.03
6/7/94	15	42	68	10.08	-0.02
6/7/94	15	44	70	10.09	-0.01
6/7/94	15	46	72	10.1	0
6/7/94	15	48	74	10.1	0
6/7/94	15	50	76	10.1	0
6/7/94	15	52	78	10.2	0.1



HYDRAULIC CONDUCTIVITY FOR MW-32D SLUG OUT

I... UT VARIABLES

```
H =
                40.29 FEET
                18.29 FEET
  Lw =
                  10 FEET
  Le =
  Rc =
               0.1667 FEET
 Rw =
                  0.5 FEET
                  300 SEC (FROM SLUG TEST DATA)
  \mathsf{T} =
                 3.22 FEET (FROM SLUG TEST DATA)
  Yt =
                 4.65 FEET (Y-INT FROM SLUG TEST DATA PLOT)
  Yo =
                   20 FEET
Le/Rw =
                 2.15
   A =
   B =
                 0.32
```

CALCULATIONS:

 $K = ((Rc^2 \ln(Re/Rw))/2*Le)*1/T*(\ln(Yo/Yt))$ K = 3.59341786E-06 FT/SEC

HYDRAULIC CONDUCTIVITY CALCULATIONS

Project: Woodbridge Research Facility

Location: AREE 8

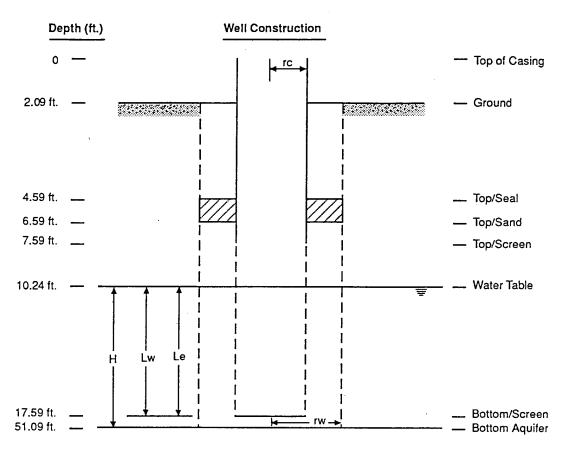
Computed By: KMS
Checked By: CL

Project Number: 931976-03

Well Number: MW33

Date Completed: 6-6-94

Reference: Bower and Rice Method (1976)



Explanation

H = Depth of Saturated Zone = 40.85 ft.

Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.35 ft.

Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 7.35 ft.

rc = Inside Radius of Well Casing = 0.1667 ft.

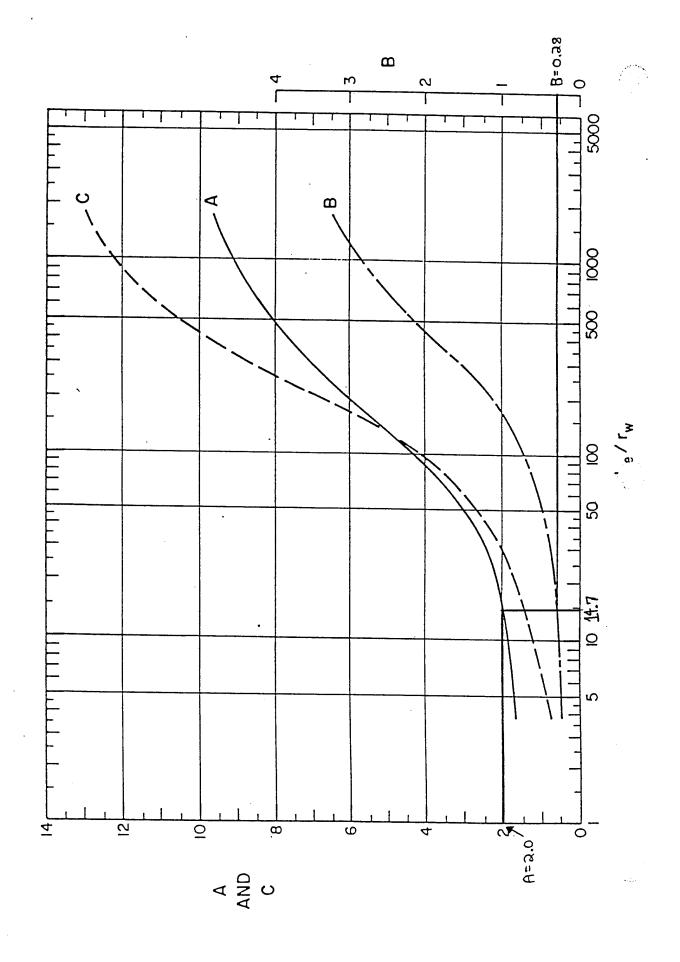
rw = Radius of Well Developed Zone (Borehole) = 0.5 ft.

Le/rw = 14.7

A = From Attached Curve = 2.0

B = From Attached Curve = 0.28

C = Not Applicable



510 JMS 33. WW1

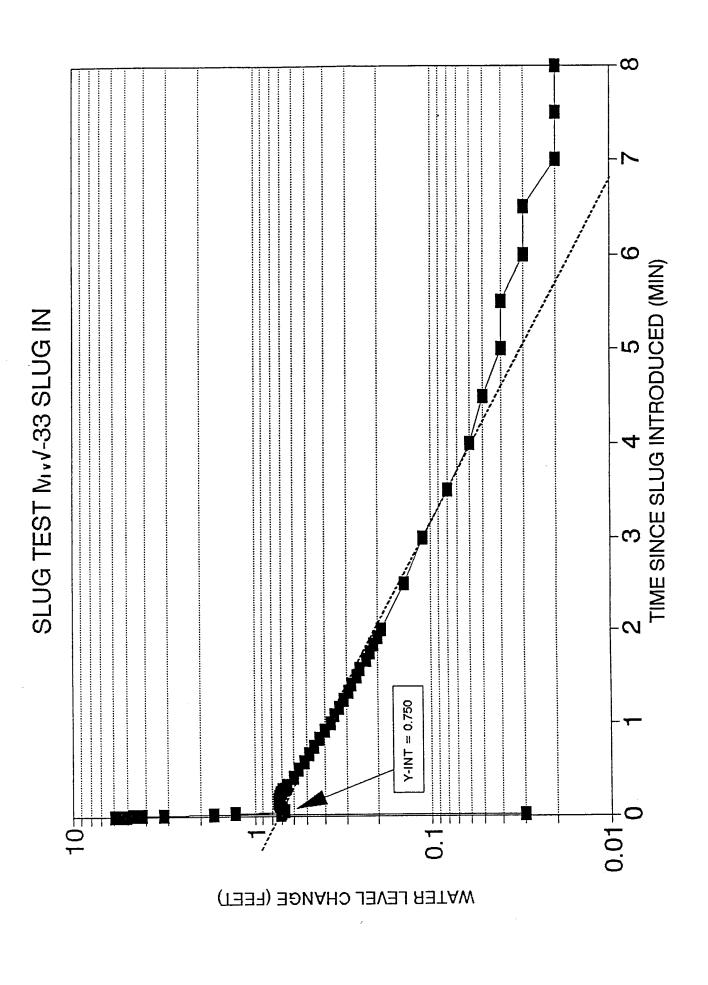
SLUG TEST DATA SHEET FOR MW-33 SLUG IN

.ATIC WATER LEVEL (HO) (HO) = 10.24 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
	*****		SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	H	H-H0
6/6/94	15	46	0	16.14	5.9
6/6/94	15	46.0033	0.0033	15.76	5.52
6/6/94	15	46.0066	0.0066	15.35	5.11
6/6/94	15	46.0099	0.0099	15.46	5.22
6/6/94	15	46.0133	0.0133	14.95	4.71
6/6/94	15	46.0166	0.0166	14.42	4.18
6/6/94	15	46.02	0.02	13.43	3.19
6/6/94	15	46.0233	0.0233	11.93	1.69
6/6/94	15	46.0266	0.0266	10.27	0.03
6/6/94	15	46.03	0.03	10.95	0.71
6/6/94	15	46.0333	0.0333	11.53	1.29
6/6/94	15	46.05	0.05	10.94	0.7
6/6/94	15	46.0666	0.0666	10.92	0.68
6/94	15	46.0833	0.0833	10.93	0.69
6/6/94	15	46.1	0.1	10.94	0.7
6/6/94	15	46.1166	0.1166	10.96	0.72
6/6/94	15	46.1333	0.1333	10.97	0.73
6/6/94	15	46.15	0.15	10.98	0.74
6/6/94	15	46.1666	0.1666	10.98	0.74
6/6/94	15	46.1833	0.1833	10.98	0.74
6/6/94	15	46.2	0.2	10.97	0.73
6/6/94	15	46.2166	0.2166	10.97	0.73
6/6/94	15	46.2333	0.2333	10.96	0.72
6/6/94	15	46.25	0.25	10.95	0.71
6/6/94	15	46.2666	0.2666	10.94	0.7
6/6/94	15	46.2833	0.2833	10.93	0.69
6/6/94	15	46.3	0.3	10.92	0.68
6/6/94	15	46.3166	0.3166	10.9	0.66
6/6/94	15	46.3333	0.3333	10.89	0.65
6/6/94	15	46.4167	0.4167	10.84	0.6
6/6/94	15	46.5	0.5	10.8	0.56
6/6/94	15	46.5833	0.5833	10.76	0.52
6/6/94	15	46.6667	0.6667	10.73	0.49
~/6/94	15	46.75	0.75	10.7	0.46
./6/94	15	46.8333	0.8333	10.67	0.43
6/6/94	15	46.9167	0.9167	10.64	0.4

SLUG TEST DATA SHEET FOR MW-33 SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
İ			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/6/94	15	47	1	10.61	0.37
6/6/94	15	47.0833	1.0833	10.59	0.35
6/6/94	15	47.1667	1.1667	10.57	0.33
6/6/94	15	47.25	1.25	10.55	0.31
6/6/94	15	47.3333	1.3333	10.53	0.29
6/6/94	15	47.4166	1.4166	10.52	0.28
6/6/94	15	47.5	1.5	10.5	0.26
6/6/94	15	47.5833	1.5833	10.49	0.25
6/6/94	15	47.6667	1.6667	10.47	0.23
6/6/94	15	47.75	1.75	10.46	0.22
6/6/94	15	47.8333	1.8333	10.45	0.21
6/6/94	15	47.9167	1.9167	10.44	0.2
6/6/94	15	48	2	10.43	0.19
<i>'</i> 6/94	15	48.5	2.5	10.38	0.14
6/6/94	15	49	3	10.35	0.11
6/6/94	15	49.5	3.5	10.32	0.08
6/6/94	15	50	4	10.3	0.06
6/6/94	15	50.5	4.5	10.29	0.05
6/6/94	15	51	5	10.28	0.04
6/6/94	15	51.5	5.5	10.28	0.04
6/6/94	15	52	6	10.27	0.03
6/6/94	15	52.5	6.5	10.27	0.03
6/6/94	15	53	7	10.26	0.02
6/6/94	15	53.5	7.5	10.26	0.02
6/6/94	15	54	8	10.26	0.02
6/6/94	15	54.5	8.5	10.26	0.02
6/6/94	15	55	9	10.26	0.02
6/6/94	15	55.5	9.5	10.26	0.02
6/6/94	15	56	10	10.25	0.01
6/6/94	15	58	12	10.25	0.01



HYDRAULIC CONDUCTIVITY FOR MW-33 SLUG IN

```
, JT VARIABLES
   H =
               40.85 FEET
  Lw =
               7.35 FEET
  Le =
                7.35 FEET
  Rc =
              0.1667 FEET
 Rw =
                 0.5 FEET
  T =
                 60 SEC (FROM SLUG TEST DATA)
                0.37 FEET (FROM SLUG TEST DATA)
  Yt =
 Yo =
                0.75 FEET (Y-INT FROM SLUG TEST DATA PLOT)
Le/Rw =
                14.7 FEET
  A =
                  2
  B =
                0.28
```

CALCULATIONS:

K = 3.55962925E-05 FT/SEC

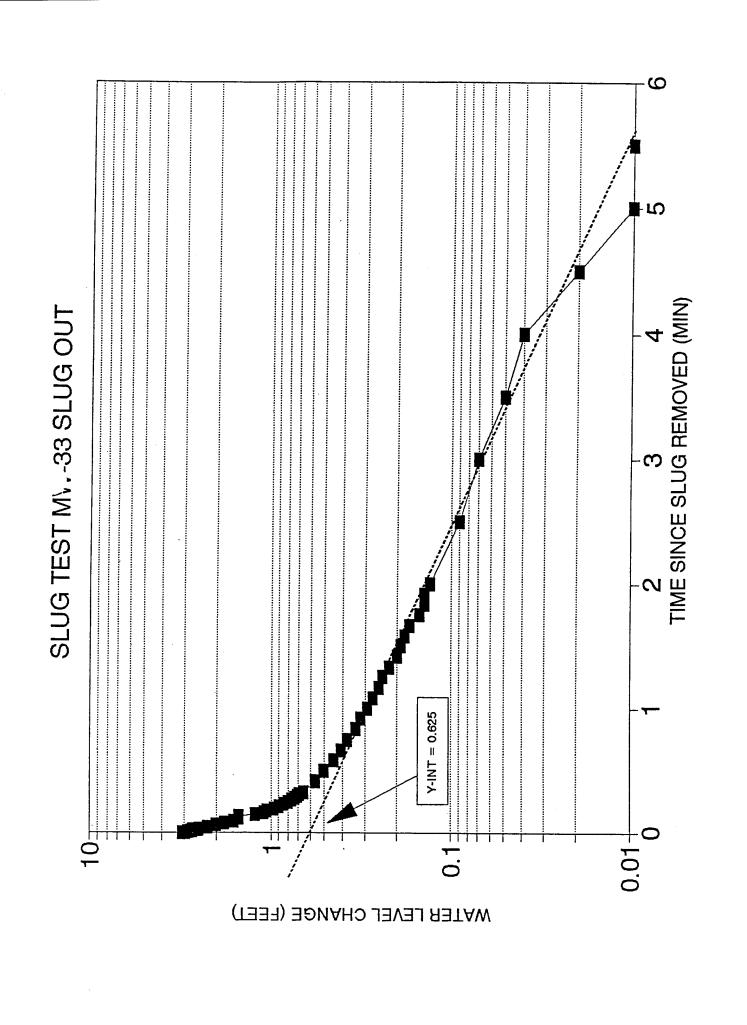
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SLUG TEST DATA SHEET FOR MW-33 SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/6/94	16	20	0	7.18	-3.06
6/6/94	16	20.0033	0.0033	7.24	-3
6/6/94	16	20.0066	0.0066	7.3	-2.94
6/6/94	16	20.0099	0.0099	7.37	-2.87
6/6/94	16	20.0133	0.0133	7.39	-2.85
6/6/94	16	20.0166	0.0166	7.47	-2.77
6/6/94	16	20.02	0.02	7.53	-2.71
6/6/94	16	20.0233	0.0233	7.54	-2.7
6/6/94	16	20.0266	0.0266	7.7	-2.54
6/6/94	16	20.03	0.03	7.68	-2.56
6/6/94	16	20.0333	0.0333	7.74	-2.5
6/6/94	16	20.05	0.05	8	-2.24
6/6/94	16	20.0666	0.0666	8.22	-2.02
6/94	16	20.0833	0.0833	8.41	-1.83
6/6/94	16	20.1	0.1	8.62	-1.62
6/6/94	16	20.1166	0.1166	8.73	-1.51
6/6/94	16	20.1333	0.1333	8.73	-1.51
6/6/94	16	20.15	0.15	9.01	-1.23
6/6/94	16	20.1666	0.1666	9.14	-1.1
6/6/94	16	20.1833	0.1833	9.18	-1.06
6/6/94	16	20.2	0.2	9.28	-0.96
6/6/94	16	20.2166	0.2166	9.34	-0.9
6/6/94	16	20.2333	0.2333	9.39	-0.85
6/6/94	16	20.25	0.25	9.43	-0.81
6/6/94	16	20.2666	0.2666	9.47	-0.77
6/6/94	16	20.2833	0.2833	9.5	-0.74
6/6/94	16	20.3	0.3	9.53	-0.71
6/6/94	16	20.3166	0.3166	9.55	-0.69
6/6/94	16	20.3333	. 0.3333	9.58	-0.66
6/6/94	16	20.4167	0.4167	9.67	-0.57
6/6/94	16	20.5	0.5	9.73	-0.51
6/6/94	16	20.5833	0.5833	9.79	-0.45
6/6/94	16	20.6667	0.6667	9.83	-0.41
`/6/94	16	20.75	0.75	9.86	-0.38
ن/6/94	16	20.8333	0.8333	9.9	-0.34
6/6/94	16	20.9167	0.9167	9.92	-0.32

SLUG TEST DATA SHEET FOR MW-33 SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/6/94	16	21	1.	9.95	-0.29
6/6/94	16	21.0833	1.0833	9.97	-0.27
6/6/94	16	21.1667	1.1667	9.99	-0.25
6/6/94	16	21.25	1.25	10	-0.24
6/6/94	16	21.3333	1.3333	10.02	-0.22
6/6/94	16	21.4166	1.4166	10.04	-0.2
6/6/94	16	21.5	1.5	10.05	-0.19
6/6/94	16	21.5833	1.5833	10.06	-0.18
6/6/94	16	21.6667	1.6667	10.07	-0.17
6/6/94	16	21.75	1.75	10.09	-0.15
6/6/94	16	21.8333	1.8333	10.1	-0.14
6/6/94	16	21.9167	1.9167	10.1	-0.14
6/6/94	16	22	2	10.11	-0.13
5/94	16	22.5	2.5	10.15	-0.09
6/6/94	16	23	3	10.17	-0.07
6/6/94	16	23.5	3.5	10.19	-0.05
6/6/94	16	24	4	10.2	-0,04
6/6/94	16	24.5	4.5	10.22	-0.02
6/6/94	16	25	5	10.23	-0.01
6/6/94	16	25.5	5.5	10.23	-0.01
6/6/94	16	26	6	10.24	0
6/6/94	16	26.5	6.5	10.24	0
6/6/94	16	27	7	10.24	0
6/6/94	16	27.5	7.5	10.24	0
6/6/94	16	28	8	10.24	0
6/6/94	16	28.5	8.5	10.24	0
6/6/94	16	29	9	10.24	0
6/6/94	16	29.5	9.5	10.24	0
6/6/94	16	30	10	10.24	0
6/6/94	16	32	12	10.24	0



HYDRAULIC CONDUCTIVITY FOR MW-33 SLUG OUT

```
JT VARIABLES
   H =
                40.85 FEET
  Lw =
                 7.35 FEET
  Le =
                 7.35 FEET
  Rc =
               0.1667 FEET
  Rw =
                  0.5 FEET
  \mathsf{T} =
                  60 SEC (FROM SLUG TEST DATA)
                 0.29 FEET (FROM SLUG TEST DATA)
  Yt =
  Yo =
                0.625 FEET (Y-INT FROM SLUG TEST DATA PLOT)
Le/Rw =
               14.7 FEET
   A =
                   2
   B =
                 0.28
```

CALCULATIONS:

HYDRAULIC CONDUCTIVITY CALCULATIONS

Project: Woodbridge Research Facility

Location: AREE 8

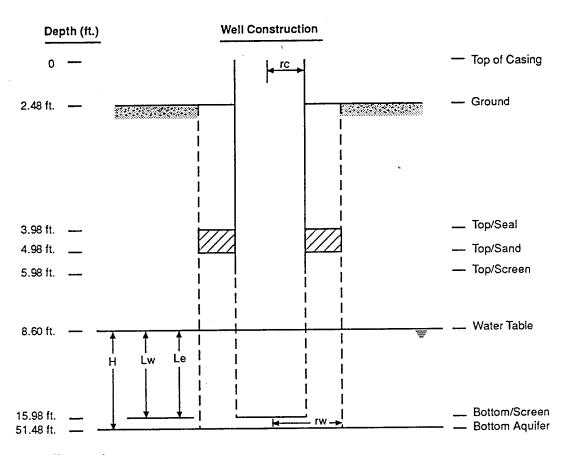
Computed By: KMS
Checked By: CL

Project Number: 931976-03

Well Number: MW34

Date Completed: 6-7-94

Reference: Bower and Rice Method (1976)

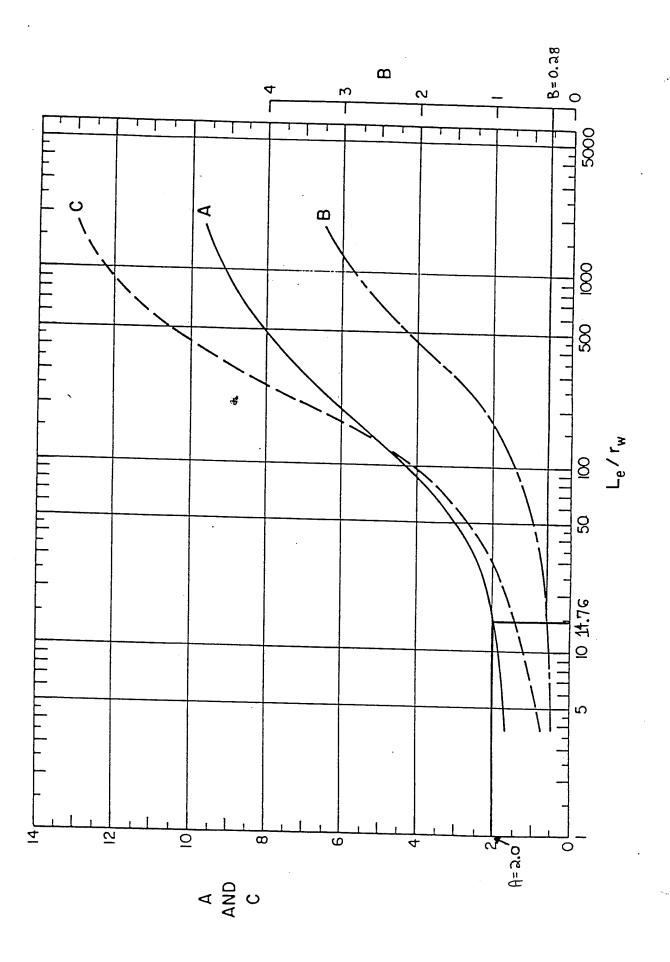


Explanation

- H = Depth of Saturated Zone = 42.88 ft.
- Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.38 ft.
- Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 7.38 ft.
- rc = Inside Radius of Well Casing = 0.1667 ft.
- rw = Radius of Well Developed Zone (Borehole) = 0.5 ft.

Le/rw= 14.76

- A = From Attached Curve = 2.0
- B = From Attached Curve = 0.28
- C = Not Applicable



SLUG TEST DATA SHEET FOR MW-34 SLUG IN

. 'ATIC WATER LEVEL (HO) (HO) = 8.6 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/		LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	Н-Н0
6/7/94	9	5	O	13.49	4.89
6/7/94	14	5.0033	0.0033	13.15	4.55
6/7/94	14	5.0066	0.0066	12.6	4
6/7/94	14	5.0099	0.0099	12.26	3.66
6/7/94	14	5.0133	0.0133	11.94	3.34
6/7/94	14	5.0166	0.0166	11.57	2.97
6/7/94	14	5.02	0.02	7.99	-0.61
6/7/94	14	5.0233	0.0233	8.38	-0.22
6/7/94	14	5.0266	0.0266	9.92	1.32
6/7/94	14	5.03	0.03	10.14	1.54
6/7/94	14	5.0333	0.0333	9.53	0.93
6/7/94	14	5.05	0.05	9.46	0.86
6/7/94	14	5.0666	0.0666	9.45	0.85
/7/94	14	5.0833	0.0833	9.45	0.85
6/7/94	14	5.1	0.1	9.45	0.85
6/7/94	14	5.1166	0.1166	9.45	0.85
6/7/94	14	5.1333	0.1333	9.45	0.85
6/7/94	14	5.15	0.15	9.44	0.84
6/7/94	14	5.1666	0.1666	9.43	0.83
6/7/94	14	5.1833	0.1833	9.42	0.82
6/7/94	14	5.2	0.2	9.41	0.81
6/7/94	14	5.2166	0.2166	9.4	0.8
6/7/94	14	5.2333	0.2333	9.38	0.78
6/7/94	14	5.25	0.25	9.37	0.77
6/7/94	14	5.2666	0.2666	9.36	0.76
6/7/94	14	5.2833	0.2833	9.35	0.75
6/7/94		5.3	0.3	9.34	0.74
6/7/94	14	5.3166	0.3166	9.33	0.73
6/7/94	14	5.3333	0.3333	9.32	0.72
6/7/94	14	5.4167	0.4167	9.27	0.67
6/7/94	14	5.5	0.5	9.23	0.63
6/7/94	14	5.5833	0.5833	9.19	0.59
6/7/94	14	5.6667	0.6667	9.16	0.56
3/7/94	14	5.75	0.75	9.13	0.53
<u> 3/7/94</u>		5.8333	0.8333	9.11	0.51
6/7/94	14	5.9167	0.9167	9.08	0.48

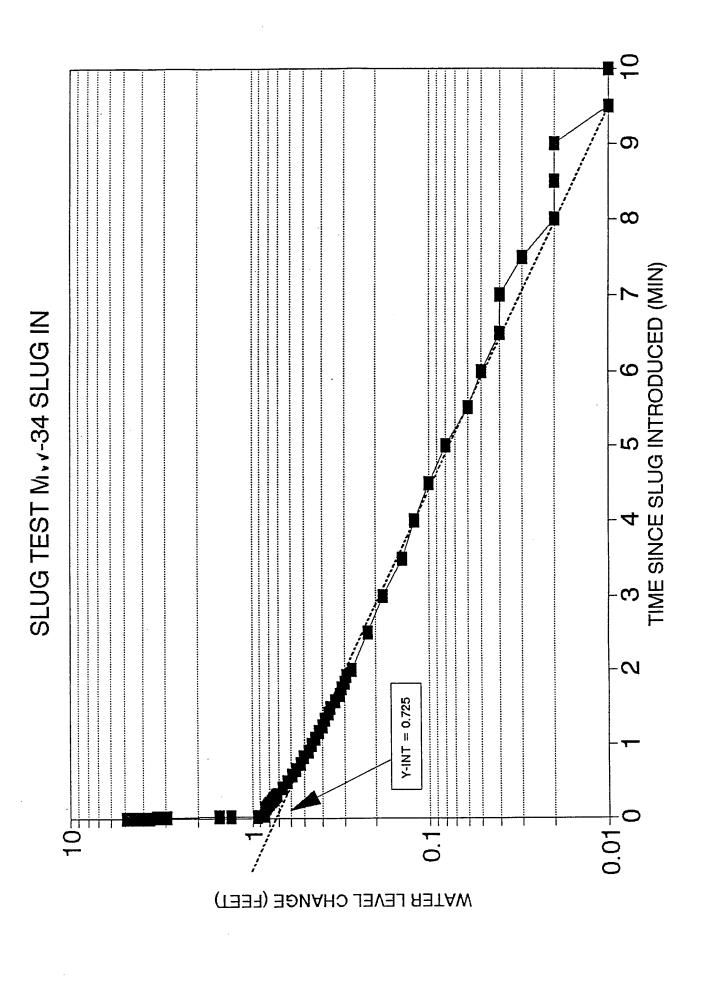
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SLUG TEST DATA SHEET FOR MW-34 SLUG IN

. ATIC WATER LEVEL (HO)

(HO) = 8.6 FT TOC

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	14	6	1	9.06	0.46
6/7/94	14	6.0833	1.0833	9.04	0.44
6/7/94	14	6.1667	1.1667	9.02	0.42
6/7/94	14	6.25	1.25	9	0.4
6/7/94	14	6.3333	1.3333	8.99	0.39
6/7/94	14	6.4166	1.4166	8.97	0.37
6/7/94	14	6.5	1.5	8.96	0.36
6/7/94	14	6.5833	1.5833	8.94	0.34
6/7/94	14	6.6667	1.6667	8.92	0.32
6/7/94	14	6.75	1.75	8.91	0.31
6/7/94	14	6.8333	1.8333	8.9	0.3
6/7/94	14	6.9167	1.9167	8.89	0.29
6/7/94	14	7	2 ·	8.87	0.27
7/94	14	7.5	2.5	8.82	0.22
6/7/94	14	8	3	8.78	0.18
6/7/94	14	8.5	3.5	8.74	0.14
6/7/94	14	9	4	8.72	0.12
6/7/94	14	9.5	4.5	8.7	0.1
6/7/94	14	10	5	8.68	0.08
6/7/94	14	10.5	5.5	8.66	0.06
6/7/94	14	11	6	8.65	0.05
6/7/94	14	11.5	6.5	8.64	0.04
6/7/94	14	12	7	8.64	0.04
6/7/94	14	12.5	7.5	8.63	0.03
6/7/94	14	13	8	8.62	0.02
6/7/94	14	13.5	8.5	8.62	0.02
6/7/94	14	14	9	8.62	0.02
6/7/94		14.5	9.5	8.61	0.01
6/7/94	14	15	10	8.61	0.01
6/7/94	14	17	12	8.6	0
6/7/94	14	19	14	8.6	0
6/7/94	14	21	16	8.6	0
6/7/94	14	23	18	8.6	0
3/7/94	14	25	20	8.6	0



HYDRAULIC CONDUCTIVITY FOR MW-34 SLUG IN

JT VARIABLES H = 42.88 FEET Lw =7.38 FEET Le = 7.38 FEET Rc =0.1667 FEET Rw =

0.5 FEET

Le/Rw = 14.76 FEET

> A = 2

B =0.28

CALCULATIONS:

$$K = ((Rc^2*ln(Re/Rw))/2*Le)*1/T*(ln(Yo/Yt))$$

 $K = 2.28410393E-05$ FT/SEC

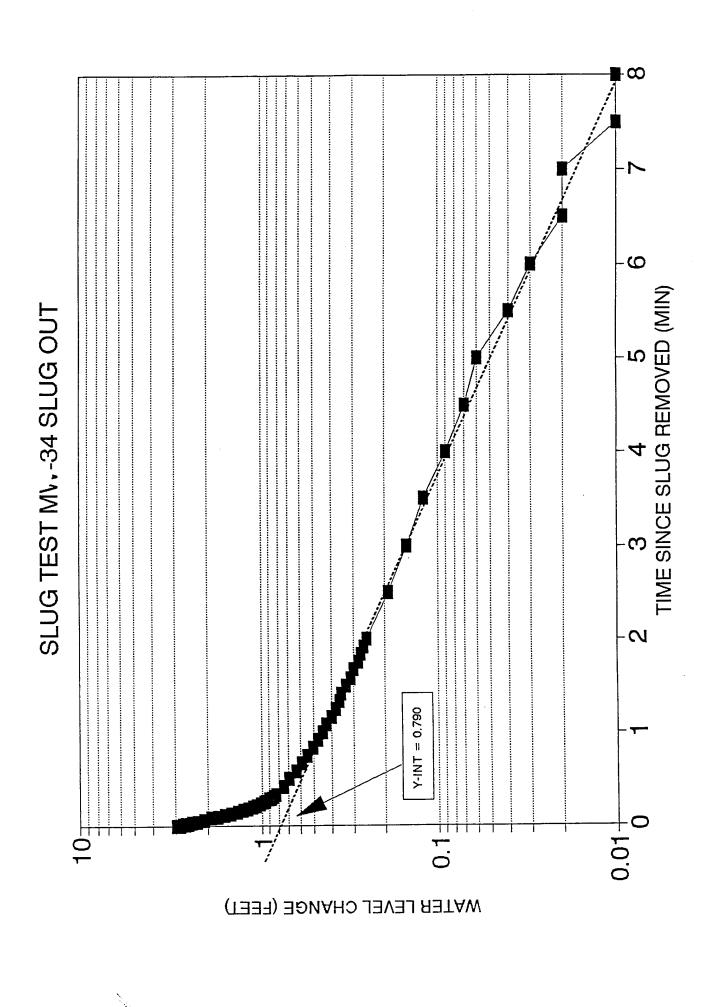
SLUG TEST DATA SHEET FOR MW-34 SLUG OUT

<u> </u>	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	9	29	0	5.64	-2.96
6/7/94	9	29.0033	0.0033	5.66	-2.94
6/7/94	9	29.0066	0.0066	5.72	-2.88
6/7/94	9	29.0099	0.0099	5.79	-2.81
6/7/94	9	29.0133	0.0133	5.85	-2.75
6/7/94	9	29.0166	0.0166	5.91	-2.69
6/7/94	9	29.02	0.02	5.96	-2.64
6/7/94	9	29.0233	0.0233	5.97	-2.63
6/7/94	9	29.0266	0.0266	6.03	-2.57
6/7/94	9	29.03	0.03	6.06	-2.54
6/7/94	9	29.0333	0.0333	6.15	-2.45
6/7/94	9	29.05	0.05	6.33	-2.27
6/7/94	9	29.0666	0.0666	6.52	-2.08
7/94	9	29.0833	0.0833	6.69	-1.91
6/7/94	9	29.1	0.1	6.84	-1.76
6/7/94	9	29.1166	0.1166	6.98	-1.62
6/7/94	9	29.1333	0.1333	7.11	-1.49
6/7/94	9	29.15	0.15	7.23	-1.37
6/7/94	9	29.1666	0.1666	7.32	-1.28
6/7/94	9	29.1833	0.1833	7.4	-1.2
6/7/94	9	29.2	0.2	7.48	-1.12
6/7/94	9	29.2166	0.2166	7.53	-1.07
6/7/94	9	29.2333	0.2333	7.58	-1.02
6/7/94	9	29.25	0.25	7.63	-0.97
6/7/94	9	29.2666	0.2666	7.66	-0.94
6/7/94	9	29.2833	0.2833	7.69	-0.91
6/7/94	9	29.3	0.3	7.72	-0.88
6/7/94	9	29.3166	0.3166	7.74	-0.86
6/7/94	9	29.3333	0.3333	7,77	-0.83
6/7/94	9	29.4167	0.4167	7.85	-0.75
6/7/94	9	29.5	0.5	7.91	-0.69
6/7/94	9	29.5833	0.5833	7.96	-0.64
6/7/94	9	29.6667	0.6667	8.01	-0.59
`7/94	9	29.75	0.75	8.05	-0.55
ر 7/94/د	9	29.8333	0.8333	8.09	-0.51
6/7/94	9	29.9167	0.9167	8.12	-0.48

SLUG TEST DATA SHEET FOR MW-34 SLUG OUT

CHO) = 8.6 FT TOC

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	T (MIN)	Н	H-H0
6/7/94	9	30	1	8.15	-0.45
6/7/94	9	30.0833	1.0833	8.17	-0.43
6/7/94	9	30.1667	1.1667	8.2	-0.4
6/7/94	9	30.25	1.25	8.22	-0.38
6/7/94	9	30.3333	1.3333	8.24	-0.36
6/7/94	9	30.4166	1.4166	8.25	-0.35
6/7/94	9	30.5	1.5	8.27	-0.33
6/7/94	9	30.5833	1.5833	8.29	-0.31
6/7/94	9	30.6667	1.6667	8.3	-0.3
6/7/94	9	30.75	1.75	8.32	-0.28
6/7/94	9	30.8333	1.8333	8.33	-0.27
6/7/94	9	30.9167	1.9167	8.34	-0.26
6/7/94	9	31	2	8.35	-0.25
7/94	9	31.5	2.5	8.41	-0.19
6/7/94	9	32	3	8.45	-0.15
6/7/94	9	32.5	3.5	8.48	-0.12
6/7/94	9	33	4	8.51	-0.09
6/7/94	9	33.5	4.5	8.53	-0.07
6/7/94	9	34	5	8.54	-0.06
6/7/94	9	34.5	5.5	8.56	-0.04
6/7/94	9	35	6	8.57	-0.03
6/7/94	9	35.5	6.5	8.58	-0.02
6/7/94	9	36	7	8.58	-0.02
6/7/94	9	36.5	7.5	8.59	-0.01
6/7/94	9	37	8	8.59	-0.01
6/7/94	9	37.5	8.5	8.6	0
6/7/94	9	38	9	8.6	0
6/7/94	9	38.5	9.5	8.6	0
6/7/94	9	39	10	8.6	0
6/7/94	9	41	12	8.6	0



HYDRAULIC CONDUCTIVITY FOR MW-34 SLUG OUT

0.28

K = 2.82552790E-05 FT/SEC

JT VARIABLES H =42.88 FEET Lw =7.38 FEET Le = 7.38 FEET Rc = 0.1667 FEET 0.5 FEET Rw =60 SEC (FROM SLUG TEST DATA) T =0.45 FEET (FROM SLUG TEST DATA) Yt =Yo = 0.79 FEET (Y-INT FROM SLUG TEST DATA PLOT) Le/Rw = 14.76 FEET A = 2

CALCULATIONS:

B =

Hydraulic Conductivty Calculations

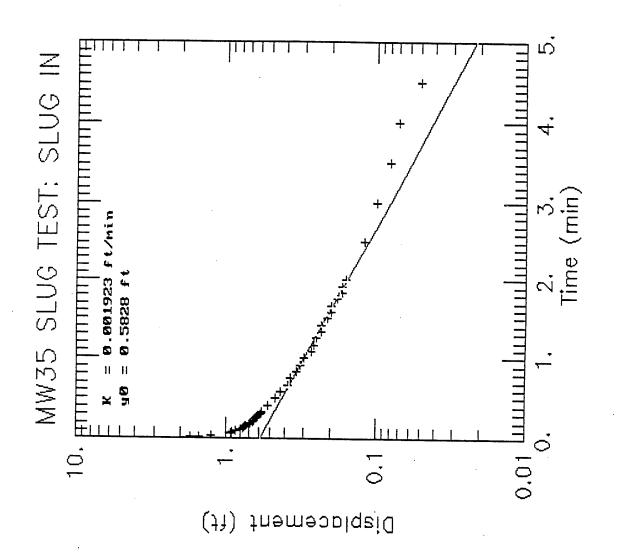
Computed by: DFP Project: Woodbridge Research Facility Location: AREE 8 Checked by: Date Completed: 05/03/95 Well Number: MW35 Project Number: 931976-03 Reference: Bower and Rice Method (1976) Depth (feet) Well Construction - Top of Casing _ Ground 2.66 ft. -_ Top/Seal 4.66 ft. ---6.66 ft. ____ Top/Sand 8.66 ft. ----_ Top/Screen Water/Table Lw Le Bottom/Screen 18.66 ft. -51.66 ft. -**Bottom Aquifer** Explanation Depth of Saturated Zone = 39.89 feet Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 6.89 feet Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet = Inside Radius of Well Casing = 0.17 feet Radius of Well Developed Zone (Borehole) = 0.33 feet

SLUG TEST DATA SHEET FOR MW35: SLUG IN

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	9	56	0	11.75	0.02
4/26/95	9	56.0033	0.0033	11.75	0.02
4/26/95	9	56.0066	0.0066	11.75	0.02
4/26/95	9	56.0099	0.0099	11.75	0.02
4/26/95	9	56.0133	0.0133	11.08	0.69
4/26/95	9	56.0166	0.0166	11.62	0.15
4/26/95	9	56.02	0.02	10.98	0.79
4/26/95	9	56.0233	0.0233	10.78	0.99
4/26/95	9	56.0266	0.0266	10.06	1.71
4/26/95	9	56.03	0.03	10.25	1.52
4/26/95	9	56.0333	0.0333	10.53	1.24
4/26/95	9	56.05	0.05	12.18	-0.41
4/26/95	9	56.0666	0.0666	10.85	0.92
4/26/95	9	56.0833	0.0833	10.87	0.90
4/26/95	9	56.1	0.1	10.92	0.85
4/26/95	9	56.1166	0.1166	10.97	0.80
4/26/95	9	56.1333	0.1333	11.00	0.77
4/26/95	9	56.15	0.15	11.02	0.75
4/26/95	9	56.1666	0.1666	11.04	0.73
4/26/95	9	56.1833	0.1833	11.07	0.70
4/26/95	9	56.2	0.2	11.09	0.68
4/26/95	9	56.2166	0.2166	11.11	0.66
4/26/95	9	56.2333	0.2333	11.13	0.64
4/26/95	9	56.25	0.25	11.14	0.63
4/26/95	9	56.2666	0.2666	11.15	0.62
4/26/95	9	56.2833	0.2833	11.16	0.61
4/26/95	9	56.3	0.3	11.18	0.59
4/26/95	9	56.3166	0.3166	11.19	0.58
4/26/95	9	56.3333	0.3333	11.20	0.57
4/26/95	9	56.4167	0.4167	11.25	0.52
4/26/95	9	56.5	0.5	11.30	0.47
4/26/95	9	56.5833	0.5833	11.34	0.43
4/26/95	9	56.6667	0.6667	11.38	0.39
4/26/95	9	56.75	0.75	11.40	0.37
4/26/95	9	56.8333	0.8333	11.43	0.34
4/26/95	9	56.9167	0.9167	11.45	0.32

SLUG TEST DATA SHEET FOR MW35: SLUG IN

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	9	57	1	11.47	0.30
4/26/95	9	57.0833	1.0833	11.50	0.27
4/26/95	9	57.1667	1.1667	11.51	0.26
4/26/95	9	57.25	1.25	11.52	0.25
4/26/95	9	57.3333	1.3333	11.54	0.23
4/26/95	9	57.4166	1.4166	11.54	0.23
4/26/95	9	57.5	1.5	11.56	0.21
4/26/95	9	57.5833	1.5833	11.57	0.20
4/26/95	9	57.6667	1.6667	11.57	0.20
4/26/95	9	57.75	1.75	11.59	0.18
4/26/95	9	57.8333	1.8333	11.60	0.17
4/26/95	9	57.9167	1.9167	11.60	0.17
4/26/95	9	58	2	11.61	0.16
4/26/95	9	58.5	2.5	11.65	0.12
4/26/95	9	59	3	11.67	0.10
4/26/95	9	59.5	3.5	11.69	0.08
4/26/95	10	0	4	11.70	0.07
4/26/95	10	0.5	4.5	11.72	0.05
4/26/95	10	1	5	11.73	0.04
4/26/95	10	1.5	5.5	11.74	0.03
4/26/95	10	2	6	11.74	0.03
4/26/95	10	2.5	6.5	11.74	0.03
4/26/95	10	3	7	11.75	0.02
4/26/95	10	3.5	7.5	11.76	0.01
4/26/95	10	4	8	11.76	0.01
4/26/95	10	4.5	8.5	11.77	0.00
4/26/95	10	5	9	11.76	0.01
4/26/95	10	5.5	9.5	11.76	0.01
4/26/95	10	6	10	11.77	0.00
4/26/95	10	· 7	11	11.77	0.00
4/26/95	10	8	12	11.77	0.00
4/26/95	10	9	13	11.77	0.00
4/26/95	10	10	14	11.77	0.00
4/26/95	10	11	15	11.77	0.00
4/26/95	10	12	16	11.77	0.00
4/26/95	10	13	17	11.77	0.00

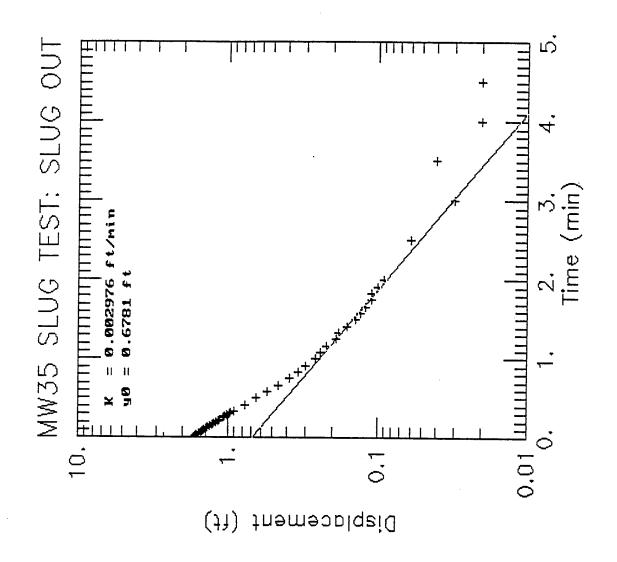


SLUG TEST DATA SHEET FOR MW35: SLUG OUT

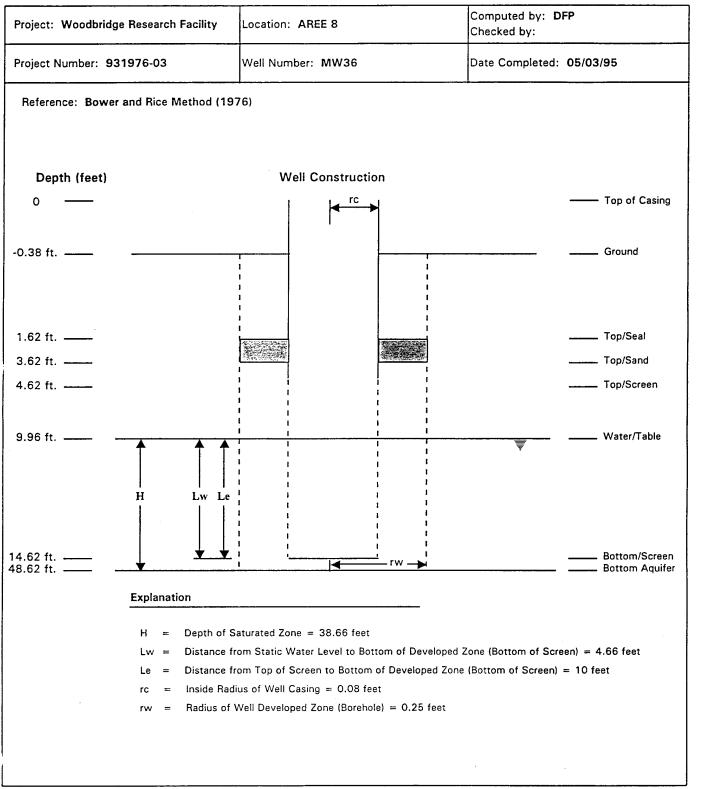
TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	10	16	0	12.62	-0.85
4/26/95	10	16.0033	0.0033	11.76	0.01
4/26/95	10	16.0066	0.0066	14.43	-2.66
4/26/95	10	16.0099	0.0099	13.47	-1.70
4/26/95	10	16.0133	0.0133	13.16	-1.39
4/26/95	10	16.0166	0.0166	13.41	-1.64
4/26/95	10	16.02	0.02	13.44	-1.67
4/26/95	10	16.0233	0.0233	13.43	-1.66
4/26/95	10	16.0266	0.0266	13.42	-1.65
4/26/95	10	16.03	0.03	13.41	-1.64
4/26/95	10	16.0333	0.0333	13.39	-1.62
4/26/95	10	16.05	0.05	13.34	-1.57
4/26/95	10	16.0666	0.0666	13.29	-1.52
4/26/95	10	16.0833	0.0833	13.26	-1.49
4/26/95	10	16.1	0.1	13.21	-1.44
4/26/95	10	16.1166	0.1166	13.16	-1.39
4/26/95	10	16.1333	0.1333	13.13	-1.36
4/26/95	10	16.15	0.15	13.09	-1.32
4/26/95	10	16.1666	0.1666	13.04	-1.27
4/26/95	10	16.1833	0.1833	13.01	-1.24
4/26/95	10	16.2	0.2	12.97	-1.20
4/26/95	10	16.2166	0.2166	12.93	-1.16
4/26/95	10	16.2333	0.2333	12.90	-1.13
4/26/95	10	16.25	0.25	12.85	-1.08
4/26/95	10	16.2666	0.2666	12.82	-1.05
4/26/95	10	16.2833	0.2833	12.78	-1.01
4/26/95	10	16.3	0.3	12.75	-0.98
4/26/95	10	16.3166	0.3166	12.72	-0.95
4/26/95	10	16.3333	0.3333	12.68	-0.91
4/26/95	10	16.4167	0.4167	12.53	-0.76
4/26/95	10	16.5	0.5	12.41	-0.64
4/26/95	10	16.5833	0.5833	12.31	-0.54
4/26/95	10	16.6667	0.6667	12.23	-0.46
4/26/95	10	16.75	0.75	12.16	-0.39
4/26/95	10	16.8333	0.8333	12.11	-0.34
4/26/95	10	16.9167	0.9167	12.07	-0.30

SLUG TEST DATA SHEET FOR MW35: SLUG OUT

TIME			TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	10	17	1	12.03	-0.26
4/26/95	10	17.0833	1.0833	12.01	-0.24
4/26/95	10	17.1667	1.1667	11.99	-0.22
4/26/95	10	17.25	1.25	11.96	-0.19
4/26/95	10	17.3333	1.3333	11.95	-0.18
4/26/95	10	17.4166	1.4166	11.93	-0.16
4/26/95	10	17.5	1.5	11.91	-0.14
4/26/95	10	17.5833	1.5833	11.90	-0.13
4/26/95	10	17.6667	1.6667	11.89	-0.12
4/26/95	10	17.75	1.75	11.88	-0.11
4/26/95	10	17.8333	1.8333	11.88	-0.11
4/26/95	10	17.9167	1.9167	11.87	-0.10
4/26/95	10	18	2	11.86	-0.09
4/26/95	10	18.5	2.5	11.83	-0.06
4/26/95	10	19	3	11.80	-0.03
4/26/95	10	19.5	3.5	11.81	-0.04
4/26/95	10	20	4	11.79	-0.02
4/26/95	10	20.5	4.5	11.79	-0.02
4/26/95	10	21	5	11.79	-0.02
4/26/95	10	21.5	5.5	11.78	-0.01
4/26/95	10	22	6	11.78	-0.01
4/26/95	10	22.5	6.5	11.78	-0.01
4/26/95	10	23	7	11.78	-0.01
4/26/95	10	23.5	7.5	11.78	-0.01
4/26/95	10	24	8	11.78	-0.01
4/26/95	10	24.5	8.5	11.78	-0.01
4/26/95	10	25	9	11.78	-0.01
4/26/95	10	25.5	9.5	11.78	-0.01
4/26/95	10	26	10	11.78	-0.01
4/26/95	10	27	11	11.78	-0.01
4/26/95	10	28	12	11.78	-0.01
4/26/95	10	29	13	11.78	-0.01
4/26/95	10	30	14	11.79	-0.02
4/26/95	10	31	15	11.79	-0.02
4/26/95	10	32	16	11.79	-0.02



Hydraulic Conductivty Calculations



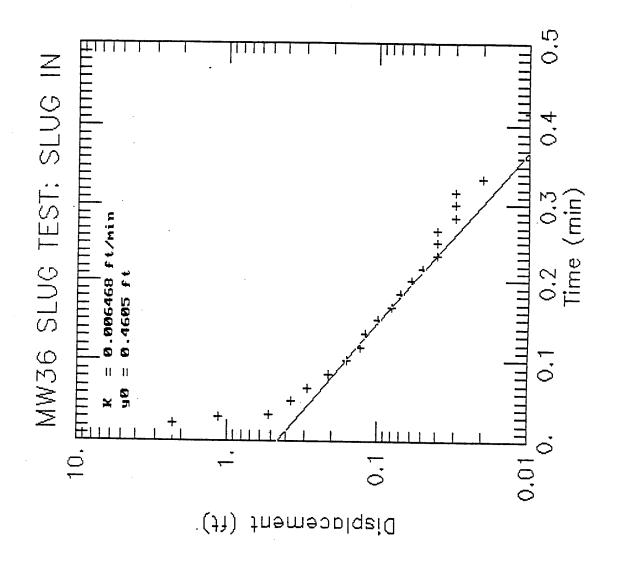
SLUG TEST DATA SHEET FOR MW36: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
		_	REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	13	50	0	9.96	0.00
4/26/95	13	50.0033	0.0033	9.96	0.00
4/26/95	13	50.0066	0.0066	9.96	0.00
4/26/95	13	50.0099	0.0099	9.96	0.00
4/26/95	13	50.0133	0.0133	9.96	0.00
4/26/95	13	50.0166	0.0166	9.96	0.00
4/26/95	13	50.02	0.02	9.96	0.00
4/26/95	13	50.0233	0.0233	7.68	2.28
4/26/95	13	50.0266	0.0266	9.73	0.23
4/26/95	13	50.03	0.03	8.82	1.14
4/26/95	13	50.0333	0.0333	9.44	0.52
4/26/95	13	50.05	0.05	9.59	0.37
4/26/95	13	50.0666	0.0666	9.67	0.29
4/26/95	13	50.0833	0.0833	9.75	0.21
4/26/95	13	50.1	0.1	9.80	0.16
4/26/95	13	50.1166	0.1166	9.83	0.13
4/26/95	13	50.1333	0.1333	9.84	0.12
4/26/95	13	50.15	0.15	9.86	0.10
4/26/95	13	50.1666	0.1666	9.88	0.08
4/26/95	13	50.1833	0.1833	9.89	0.07
4/26/95	13	50.2	0.2	9.90	0.06
4/26/95	13	50.2166	0.2166	9.91	0.05
4/26/95	13	50.2333	0.2333	9.92	0.04
4/26/95	13	50.25	0.25	9.92	0.04
4/26/95	13	50.2666	0.2666	9.92	0.04
4/26/95	13	50.2833	0.2833	9.93	0.03
4/26/95	13	50.3	0.3	9.93	0.03
4/26/95	13	50.3166	0.3166	9.93	0.03
4/26/95	13	50.3333	0.3333	9.94	0.02
4/26/95	13	50.4167	0.4167	9.95	0.01
4/26/95	13	50.5	0.5	9.95	0.01
4/26/95	13	50.5833	0.5833	9.96	0.00
4/26/95	13	50.6667	0.6667	9.96	0.00
4/26/95	13	50.75	0.75	9.96	0.00
4/26/95	13	50.8333	0.8333	9.96	0.00
4/26/95	13	50.9167	0.9167	9.96	0.00

SLUG TEST DATA SHEET FOR MW36: SLUG IN

STATIC WATER LEVEL (H0) = 9.96 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	13	51	1	9.96	0.00
4/26/95	13	51.0833	1.0833	9.96	0.00
4/26/95	13	51.1667	1.1667	9.96	0.00
4/26/95	13	51.25	1.25	9.96	0.00
4/26/95	13	51.3333	1.3333	9.96	0.00
4/26/95	13	51.4166	1.4166	9.96	0.00
4/26/95	13	51.5	1.5	9.96	0.00
4/26/95	13	51.5833	1.5833	9.96	0.00
4/26/95	13	51.6667	1.6667	9.96	0.00
4/26/95	13	51.75	1.75	9.96	0.00
4/26/95	13	51.8333	1.8333	9.96	0.00
4/26/95	13	51.9167	1.9167	9.96	0.00
4/26/95	13	52	2	9.96	0.00
4/26/95	13	52.5	2.5	9.96	0.00
4/26/95	13	53	3	9.96	0.00
4/26/95	13	53.5	3.5	9.96	0.00
4/26/95	13	54	4	9.96	0.00
4/26/95	13	54.5	4.5	9.96	0.00
4/26/95	13	55	5	9.96	0.00
4/26/95	13	55.5	5.5	9.96	0.00
4/26/95	13	56	6	9.96	0.00
4/26/95	13	56.5	6.5	9.96	0.00
4/26/95	13	57	7	9.96	0.00
4/26/95	13	57.5	7.5	9.96	0.00
4/26/95	13	58	8	9.96	0.00
4/26/95	13	58.5	8.5	9.96	0.00
4/26/95	13	59	9	9.96	0.00
4/26/95	13	59.5	9.5	9.96	0.00
4/26/95	14	60	10	9.96	0.00
4/26/95	14	61	11	9.97	-0.01

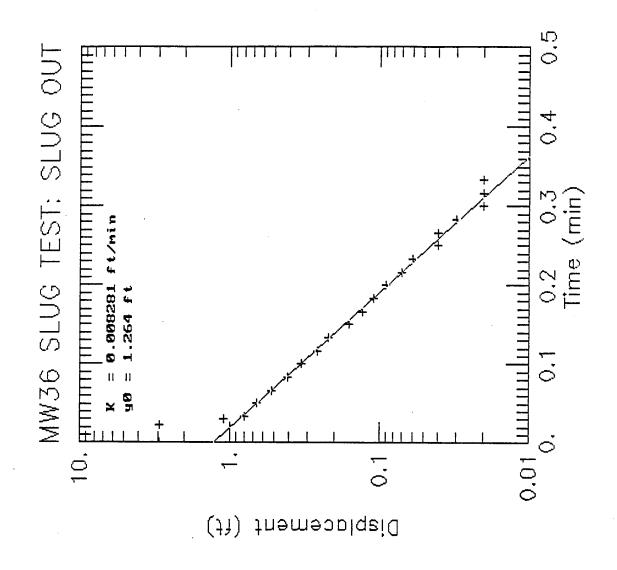


SLUG TEST DATA SHEET FOR MW36: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	H	Н0-Н
4/26/95	14	3	0.00	9.96	0.00
4/26/95	14	3.0033	0.00	9.96	0.00
4/26/95	14	3.0066	0.01	9.99	-0.03
4/26/95	14	3.0099	0.01	9.96	0.00
4/26/95	14	3.0133	0.01	9.96	0.00
4/26/95	14	3.0166	0.02	9.94	0.02
4/26/95	14	3.02	0.02	9.96	0.00
4/26/95	14	3.0233	0.02	12.88	-2.92
4/26/95	14	3.0266	0.03	9.61	0.35
4/26/95	14	3.03	0.03	11.06	-1.10
4/26/95	14	3.0333	0.03	10.75	-0.79
4/26/95	14	3.05	0.05	10.61	-0.65
4/26/95	14	3.0666	0.07	10.48	-0.52
4/26/95	14	3.0833	0.08	10.37	-0.41
4/26/95	14	3.1	0.10	10.29	-0.33
4/26/95	14	3.1166	0.12	10.22	-0.26
4/26/95	14	3.1333	0.13	10.18	-0.22
4/26/95	14	3.15	0.15	10.12	-0.16
4/26/95	14	3.1666	0.17	10.09	-0.13
4/26/95	14	3.1833	0.18	10.07	-0.11
4/26/95	14	3.2	0.20	10.05	-0.09
4/26/95	14	3.2166	0.22	10.03	-0.07
4/26/95	14	3.2333	0.23	10.02	-0.06
4/26/95	14	3.25	0.25	10.00	-0.04
4/26/95	14	3.2666	0.27	10.00	-0.04
4/26/95	14	3.2833	0.28	9.99	-0.03
4/26/95	14	3.3	0.30	9.98	-0.02
4/26/95	14	3.3166	0.32	9.98	-0.02
4/26/95	14	3.3333	0.33	9.98	-0.02
4/26/95	14	3.4167	0.42	9.96	0.00
4/26/95	14	3.5	0.50	9.96	0.00
4/26/95	14	3.5833	0.58	9.96	0.00
4/26/95	14	3.6667	0.67	9.96	0.00
4/26/95	14	3.75	0.75	9.96	0.00
4/26/95	14	3.8333	0.83	9.96	0.00
4/26/95	14	3.9167	0.92	9.96	0.00

SLUG TEST DATA SHEET FOR MW36: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	14	4	1.00	9.96	0.00
4/26/95	14	4.0833	1.08	9.96	0.00
4/26/95	14	4.1667	1.17	9.96	0.00
4/26/95	14	4.25	1.25	9.96	0.00
4/26/95	14	4.3333	1.33	9.95	0.01
4/26/95	14	4.4166	1.42	9.96	0.00
4/26/95	14	4.5	1.50	9.96	0.00
4/26/95	14	4.5833	1.58	9.96	0.00
4/26/95	14	4.6667	1.67	9.96	0.00
4/26/95	14	4.75	1.75	9.95	0.01
4/26/95	14	4.8333	1.83	9.96	0.00
4/26/95	14	4.9167	1.92	9.96	0.00
4/26/95	14	5	2.00	9.96	0.00
4/26/95	14	5.5	2.50	9.96	0.00
4/26/95	14	6	3.00	9.96	0.00
4/26/95	14	6.5	3.50	9.96	0.00
4/26/95	14	7	4.00	9.96	0.00
4/26/95	14	7.5	4.50	9.96	0.00
4/26/95	14	8	5.00	9.96	0.00
4/26/95	14	8.5	5.50	9.96	0.00
4/26/95	14	9	6.00	9.96	0.00
4/26/95	14	9.5	6.50	9.96	0.00
4/26/95	14	10	7.00	9.96	0.00
4/26/95	14	10.5	7.50	9.96	0.00
4/26/95	14	11	8.00	9.96	0.00
4/26/95	14	11.5	8.50	9.96	0.00
4/26/95	14	12	9.00	9.96	0.00
4/26/95	14	12.5	9.50	9.96	0.00
4/26/95	14	13	10.00	9.96	0.00



Hydraulic Conductivty Calculations

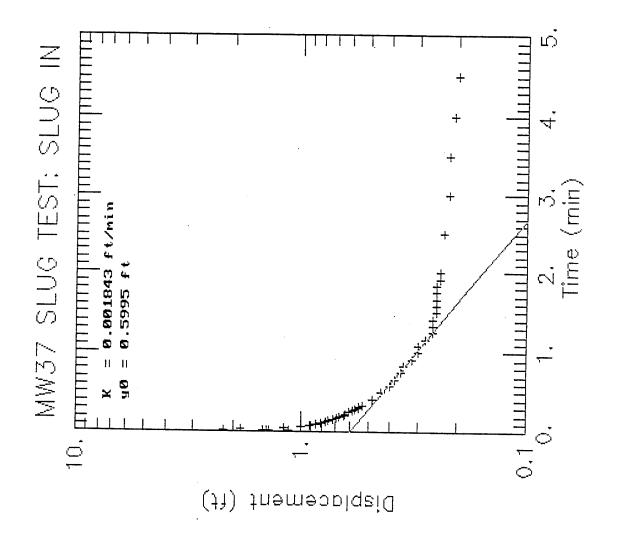
Computed by: DFP Location: AREE 8 Project: Woodbridge Research Facility Checked by: Well Number: MW37 Date Completed: 05/03/95 Project Number: 931976-03 Reference: Bower and Rice Method (1976) Depth (feet) Well Construction - Top of Casing -0.37 ft. ---Ground 1.63 ft. ---_ Top/Seal 3.63 ft. ---Top/Sand _ Top/Screen 4.63 ft. ----. Water/Table 8.50 ft. Н Lw Le 14.63 ft. -Bottom/Screen 48.63 ft. -**Bottom Aquifer** Explanation Depth of Saturated Zone = 40.13 feet Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 6.13 feet Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet = Inside Radius of Well Casing = 0.17 feet Radius of Well Developed Zone (Borehole) = 0.33 feet

SLUG TEST DATA SHEET FOR MW37: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	14	45	0	8.43	0.07
4/27/95	14	45.0033	0.0033	8.43	0.07
4/27/95	14	45.0066	0.0066	8.14	0.36
4/27/95	14	45.0099	0.0099	7.51	0.99
4/27/95	14	45.0133	0.0133	6.53	1.97
4/27/95	14	45.0166	0.0166	6.30	2.20
4/27/95	14	45.02	0.02	7.08	1.42
4/27/95	14	45.0233	0.0233	7.02	1.48
4/27/95	14	45.0266	0.0266	7.37	1.13
4/27/95	14	45.03	0.03	7.12	1.38
4/27/95	14	45.0333	0.0333	6.65	1.85
4/27/95	14	45.05	0.05	7.32	1.18
4/27/95	14	45.0666	0.0666	7.51	0.99
4/27/95	14	45.0833	0.0833	7.59	0.91
4/27/95	14	45.1	0.1	7.64	0.86
4/27/95	14	45.1166	0.1166	7.69	0.81
4/27/95	14	45.1333	0.1333	7.73	0.77
4/27/95	14	45.15	0.15	7.75	0.75
4/27/95	14	45.1666	0.1666	7.78	0.72
4/27/95	14	45.1833	0.1833	7.81	0.69
4/27/95	14	45.2	0.2	7.83	0.67
4/27/95	14	45.2166	0.2166	7.86	0.64
4/27/95	14	45.2333	0.2333	7.87	0.63
4/27/95	14	45.25	0.25	7.89	0.61
4/27/95	14	45.2666	0.2666	7.91	0.59
4/27/95	14	45.2833	0.2833	7.93	0.57
4/27/95	14	45.3	0.3	7.95	0.55
4/27/95	14	45.3166	0.3166	7.95	0.55
4/27/95	14	45.3333	0.3333	7.97	0.53
4/27/95	14	45.4167	0.4167	8.02	0.48
4/27/95	14	45.5	0.5	8.06	0.44
4/27/95	14	45.5833	0.5833	8.10	0.40
4/27/95	14	45.6667	0.6667	8.12	0.38
4/27/95	14	45.75	0.75	8.14	0.36
4/27/95	14	45.8333	0.8333	8.15	0.35
4/27/95	14	45.9167	0.9167	8.18	0.32

SLUG TEST DATA SHEET FOR MW37: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	14	46	1	8.20	0.30
4/27/95	14	46.0833	1.0833	8.20	0.30
4/27/95	14	46.1667	1.1667	8.22	0.28
4/27/95	14	46.25	1.25	8.24	0.26
4/27/95	14	46.3333	1.3333	8.24	0.26
4/27/95	14	46.4166	1.4166	8.24	0.26
4/27/95	14	46.5	1.5	8.25	0.25
4/27/95	14	46.5833	1.5833	8.25	0.25
4/27/95	14	46.6667	1.6667	8.25	0.25
4/27/95	14	46.75	1.75	8.25	0.25
4/27/95	14	46.8333	1.8333	8.25	0.25
4/27/95	14	46.9167	1.9167	8.26	0.24
4/27/95	14	47	2	8.26	0.24
4/27/95	14	47.5	2.5	8.27	0.23
4/27/95	14	48	3	8.28	0.22
4/27/95	14	48.5	3.5	8.28	0.22
4/27/95	14	49	4	8.29	0.21
4/27/95	14	49.5	4.5	8.30	0.20
4/27/95	14	50	5	8.30	0.20
4/27/95	14	50.5	5.5	8.31	0.19
4/27/95	14	51	6	8.31	0.19
4/27/95	14	51.5	6.5	8.31	0.19
4/27/95	14	52	7	8.32	0.18
4/27/95	14	52.5	7.5	8.32	0.18
4/27/95	14	53	8	8.32	0.18
4/27/95	14	53.5	8.5	8.32	0.18
4/27/95	14	54	9	8.33	0.17
4/27/95	14	54.5	9.5	8.33	0.17
4/27/95	14	55	10	8.33	0.17
4/27/95	14	56	11	8.33	0.17
4/27/95	14	57	12	8.32	0.18
4/27/95	14	58	13	8.33	0.17

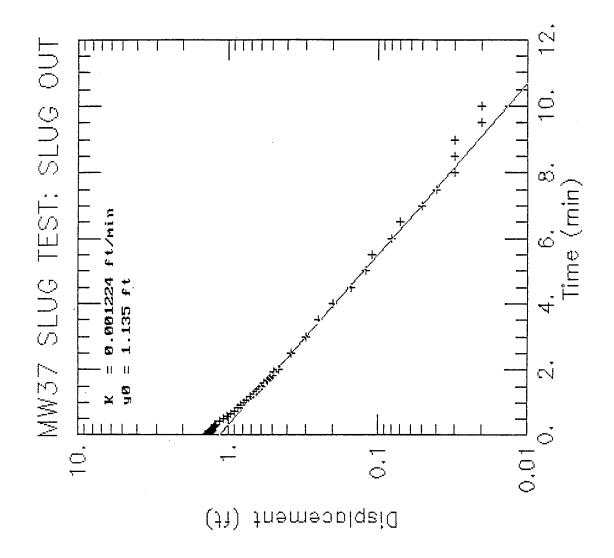


SLUG TEST DATA SHEET FOR MW37: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
-			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	15	0	0	8.50	0.00
4/27/95	15	0.0033	0.0033	8.92	-0.42
4/27/95	15	0.0066	0.0066	8.92	-0.42
4/27/95	15	0.0099	0.0099	8.93	-0.43
4/27/95	15	0.0133	0.0133	9.63	-1.13
4/27/95	15	0.0166	0.0166	9.59	-1.09
4/27/95	15	0.02	0.02	9.92	-1.42
4/27/95	15	0.0233	0.0233	9.89	-1.39
4/27/95	15	0.0266	0.0266	9.89	-1.39
4/27/95	15	0.03	0.03	9.88	-1.38
4/27/95	15	0.0333	0.0333	9.88	-1.38
4/27/95	15	0.05	0.05	9.86	-1.36
4/27/95	15	0.0666	0.0666	9.83	-1.33
4/27/95	15	0.0833	0.0833	9.80	-1.30
4/27/95	15	0.1	0.1	9.80	-1.30
4/27/95	15	0.1166	0.1166	9.78	-1.28
4/27/95	15	0.1333	0.1333	9.78	-1.28
4/27/95	15	0.15	0.15	9.78	-1.28
4/27/95	15	0.1666	0.1666	9.77	-1.27
4/27/95	15	0.1833	0.1833	9.77	-1.27
4/27/95	15	0.2	0.2	9.76	-1.26
4/27/95	15	0.2166	0.2166	9.76	-1.26
4/27/95	. 15	0.2333	0.2333	9.75	-1.25
4/27/95	15	0.25	0.25	9.74	-1.24
4/27/95	15	0.2666	0.2666	9.73	-1.23
4/27/95	15	0.2833	0.2833	9.72	-1.22
4/27/95	15	0.3	0.3	9.72	-1.22
4/27/95	15	0.3166	0.3166	9.70	-1.20
4/27/95	15	0.3333	0.3333	9.69	-1.19
4/27/95	15	0.4167	0.4167	9.64	-1.14
4/27/95	15	0.5	0.5	9.57	-1.07
4/27/95	15	0.5833	0.5833	9.52	-1.02
4/27/95	15	0.6667	0.6667	9.46	-0.96
4/27/95	15	0.75	0.75	9.41	-0.91
4/27/95	15	0.8333	0.8333	9.36	-0.86
4/27/95	15	0.9167	0.9167	9.32	-0.82

SLUG TEST DATA SHEET FOR MW37: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	15	1	1	9.28	-0.78
4/27/95	15	1.0833	1.0833	9.25	-0.75
4/27/95	15	1.1667	1.1667	9.21	-0.71
4/27/95	15	1.25	1.25	9.17	-0.67
4/27/95	15	1.3333	1.3333	9.14	-0.64
4/27/95	15	1.4166	1.4166	9.12	-0.62
4/27/95	15	1.5	1.5	9.10	-0.60
4/27/95	15	1.5833	1.5833	9.07	-0.57
4/27/95	15	1.6667	1.6667	9.04	-0.54
4/27/95	15	1.75	1.75	9.02	-0.52
4/27/95	15	1.8333	1.8333	9.00	-0.50
4/27/95	15	1.9167	1.9167	8.99	-0.49
4/27/95	15	2	2	8.96	-0.46
4/27/95	15	2.5	2.5	8.88	-0.38
4/27/95	15	3	3	8.80	-0.30
4/27/95	15	3.5	3.5	8.75	-0.25
4/27/95	15	4	4	8.70	-0.20
4/27/95	15	4.5	4.5	8.65	-0.15
4/27/95	15	5	5	8.62	-0.12
4/27/95	15	5.5	5.5	8.61	-0.11
4/27/95	15	6	6	8.58	-0.08
4/27/95	15	6.5	6.5	8.57	-0.07
4/27/95	15	7	7	8.55	-0.05
4/27/95	15	7.5	7.5	8.54	-0.04
4/27/95	15	. 8	8	8.53	-0.03
4/27/95	15	8.5	8.5	8.53	-0.03
4/27/95	15	9	9	8.53	-0.03
4/27/95	15	9.5	9.5	8.52	-0.02
4/27/95	15	10	10	8.52	-0.02
4/27/95	15	11	11	8.51	-0.01
4/27/95	15	12	12	8.51	-0.01
4/27/95	15	13	13	8.51	-0.01
4/27/95	15	14	14	8.50	0.00
4/27/95	15	15	15	8.49	0.01



Hydraulic Conductivty Calculations

Project: Woodbridge Research Facility

Location: AREE 8

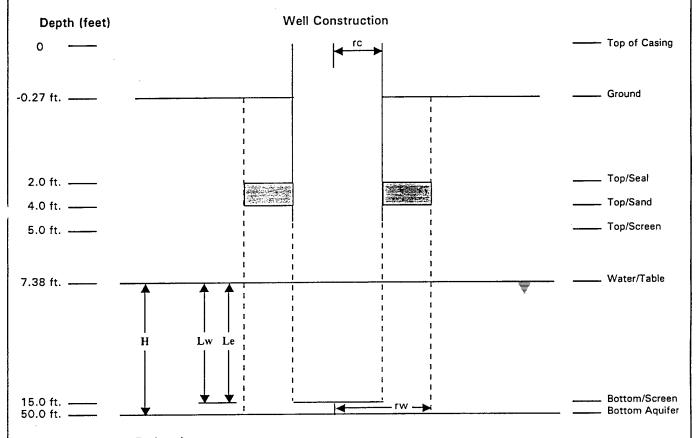
Computed by: DFP
Checked by:

Project Number: 931976-03

Well Number: MW38

Date Completed: 05/04/95

Reference: Bower and Rice Method (1976)



Explanation

H = Depth of Saturated Zone = 45.0 feet

Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.62 feet

Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet

rc = Inside Radius of Well Casing = 0.17 feet

rw = Radius of Well Developed Zone (Borehole) = 0.50 feet

SLUG TEST DATA SHEET FOR MW38: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	14	51	0	8.60	0.00
4/26/95	14	51.0033	0.0033	6.73	1.87
4/26/95	14	51.0066	0.0066	8.67	-0.07
4/26/95	14	51.0099	0.0099	7.81	0.79
4/26/95	14	51.0133	0.0133	7.51	1.09
4/26/95	14	51.0166	0.0166	7.10	1.50
4/26/95	14	51.02	0.02	7.55	1.05
4/26/95	14	51.0233	0.0233	7.62	0.98
4/26/95	14	51.0266	0.0266	7.58	1.02
4/26/95	14	51.03	0.03	7.72	0.88
4/26/95	14	51.0333	0.0333	7.56	1.04
4/26/95	14	51.05	0.05	7.92	0.68
4/26/95	14	51.0666	0.0666	7.84	0.76
4/26/95	14	51.0833	0.0833	7.85	0.75
4/26/95	14	51.1	0.1	7.90	0.70
4/26/95	14	51.1166	0.1166	7.95	0.65
4/26/95	14	51.1333	0.1333	7.97	0.63
4/26/95	14	51.15	0.15	8.01	0.59
4/26/95	14	51.1666	0.1666	8.03	0.57
4/26/95	14	51.1833	0.1833	8.05	0.55
4/26/95	14	51.2	0.2	8.06	0.54
4/26/95	14	51.2166	0.2166	8.08	0.52
4/26/95	14	51.2333	0.2333	8.09	0.51
4/26/95	14	51.25	0.25	8.10	0.50
4/26/95	14	51.2666	0.2666	8.10	0.50
4/26/95	14	51.2833	0.2833	8.11	0.49
4/26/95	14	51.3	0.3	8.12	0.48
4/26/95	14	51.3166	0.3166	8.13	0.47
4/26/95	14	51.3333	0.3333	8.13	0.47
4/26/95	14	51.4167	0.4167	8.13	0.47
4/26/95	14	51.5	0.5	8.15	0.45
4/26/95	14	51.5833	0.5833	8.15	0.45
4/26/95	14	51.6667	0.6667	8.15	0.45
4/26/95	14	51.75	0.75	8.16	0.44
4/26/95	14	51.8333	0.8333	8.16	0.44
4/26/95	14	51.9167	0.9167	8.16	0.44

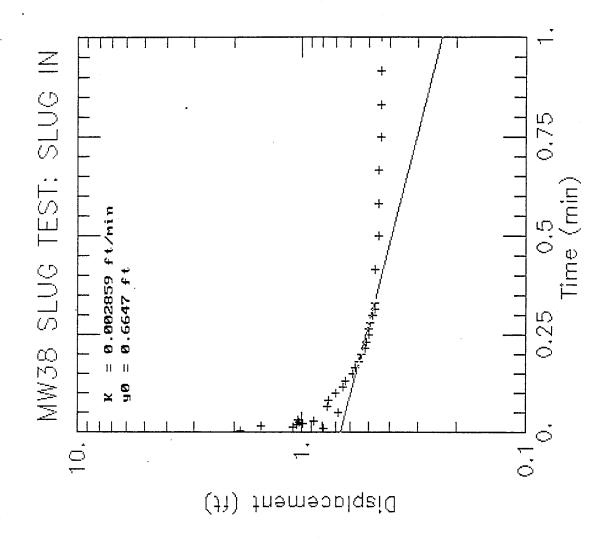
SLUG TEST DATA SHEET FOR MW38: SLUG IN

STATIC WATER LEVEL (H0) = 8.60 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
İ			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	14	52	1	8.16	0.44
4/26/95	14	52.0833	1.0833	8.17	0.43
4/26/95	14	52.1667	1.1667	8.17	0.43
4/26/95	14	52.25	1.25	8.17	0.43
4/26/95	14	52.3333	1.3333	8.17	0.43
4/26/95	14	52.4166	1.4166	8.17	0.43
4/26/95	14	52.5	1.5	8.17	0.43
4/26/95	14	52.5833	1.5833	8.17	0.43
4/26/95	14	52.6667	1.6667	8.18	0.42
4/26/95	14	52.75	1.75	8.18	0.42
4/26/95	14	52.8333	1.8333	8.18	0.42
4/26/95	14	52.9167	1.9167	8.18	0.42
4/26/95	14	53	2	8.18	0.42
4/26/95	14	53.5	2.5	8.19	0.41
4/26/95	14	54	3	8.19	0.41
4/26/95	14	54.5	3.5	8.19	0.41
4/26/95	14	55	4	8.20	0.40
4/26/95	14	55.5	4.5	8.20	0.40
4/26/95	14	56	5	8.21	0.39
4/26/95	14	56.5	5.5	8.21	0.39
4/26/95	14	57	. 6	8.21	0.39
4/26/95	14	57.5	6.5	8.21	0.39
4/26/95	14	58	7	8.20	0.40
4/26/95	14	58.5	7.5	8.21	0.39
4/26/95	14	59	8	8.21	0.39
4/26/95	14	59.5	8.5	8.20	0.40
4/26/95	15	0	9	8.20	0.40
4/26/95	15	0.5	9.5	8.21	0.39
4/26/95	15	1	10	8.20	0.40
4/26/95	15	2	11	8.20	0.40
4/26/95	15	3	12	8.19	0.41
4/26/95	15	4	13	8.20	0.40
4/26/95	15	5	14	8.19	0.41
4/26/95	15	6	15	8.18	0.42
4/26/95	15	7	16	8.22	0.38
4/26/95	15	8	17	8.22	0.38

SLUG TEST DATA SHEET FOR MW38: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	H	Н0-Н
4/26/95	15	9	18	8.22	0.38
4/26/95	15	10	19	8.22	0.38
4/26/95	15	11	20	8.22	0.38
4/26/95	15	12	. 21	8.22	0.38
4/26/95	15	13	22	8.22	0.38
4/26/95	15	14	23	8.22	0.38
4/26/95	15	15	24	8.22	0.38
4/26/95	15	16	25	8.22	0.38
4/26/95	15	17	26	8.22	0.38
4/26/95	15	18	27	8.22	0.38

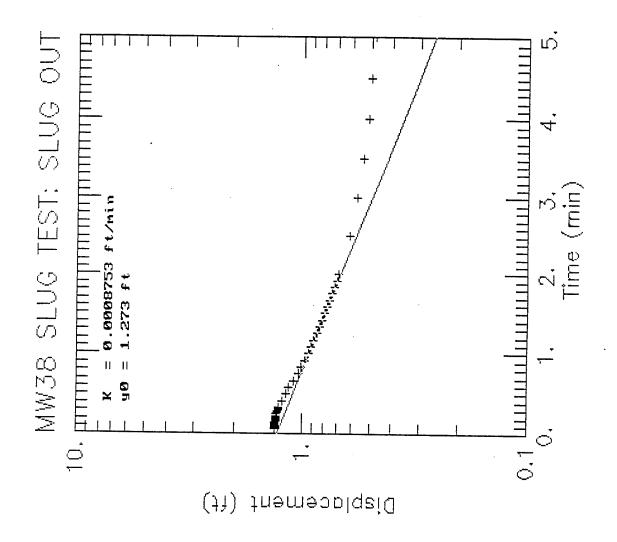


SLUG TEST DATA SHEET FOR MW38: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/		LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	15	19	0	8.60	0.00
4/26/95	15	19.0033	0.0033	8.60	0.00
4/26/95	15	19.0066	0.0066	9.00	-0.40
4/26/95	15	19.0099	0.0099	8.96	-0.36
4/26/95	15	19.0133	0.0133	8.92	-0.32
4/26/95	15	19.0166	0.0166	8.92	-0.32
4/26/95	15	19.02	0.02	9.28	-0.68
4/26/95	15	19.0233	0.0233	9.39	-0.79
4/26/95	15	19.0266	0.0266	9.36	-0.76
4/26/95	15	19.03	0.03	9.37	-0.77
4/26/95	15	19.0333	0.0333	9.37	-0.77
4/26/95	15	19.05	0.05	9.87	-1.27
4/26/95	15	19.0666	0.0666	9.92	-1.32
4/26/95	15	19.0833	0.0833	9.92	-1.32
4/26/95	15	19.1	0.1	9.92	-1.32
4/26/95	15	19.1166	0.1166	9.91	-1.31
4/26/95	15	19.1333	0.1333	9.91	-1.31
4/26/95	15	19.15	0.15	9.91	-1.31
4/26/95	15	19.1666	0.1666	9.90	-1.30
4/26/95	15	19.1833	0.1833	9.90	-1.30
4/26/95	15	19.2	0.2	9.89	-1.29
4/26/95	15	19.2166	0.2166	9.89	-1.29
4/26/95	15	19.2333	0.2333	9.89	-1.29
4/26/95	15	19.25	0.25	9.89	-1.29
4/26/95	15	19.2666	0.2666	9.88	-1.28
4/26/95	15	19.2833	0.2833	9.88	-1.28
4/26/95	15	19.3	0.3	9.87	-1.27
4/26/95	15	19.3166	0.3166	9.87	-1.27
4/26/95	15	19.3333	0.3333	9.86	-1.26
4/26/95	15	19.4167	0.4167	9.82	-1.22
4/26/95	15	19.5	0.5	9.77	-1.17
4/26/95	15	19.5833	0.5833	9.74	-1.14
4/26/95	15	19.6667	0.6667	9.69	-1.09
4/26/95	15	19.75	0.75	9.64	-1.04
4/26/95	15	19.8333	0.8333	9.61	-1.01
4/26/95	15	19.9167	0.9167	9.57	-0.97

SLUG TEST DATA SHEET FOR MW38: SLUG OUT

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/26/95	15	20	1	9.54	-0.94
4/26/95	15	20.0833	1.0833	9.51	-0.91
4/26/95	15	20.1667	1.1667	9.49	-0.89
4/26/95	15	20.25	1.25	9.46	-0.86
4/26/95	15	20.3333	1.3333	9.43	-0.83
4/26/95	15	20.4166	1.4166	9.41	-0.81
4/26/95	15	20.5	1.5	9.39	-0.79
4/26/95	15	20.5833	1.5833	9.37	-0.77
4/26/95	15	20.6667	1.6667	9.35	-0.75
4/26/95	15	20.75	1.75	9.34	-0.74
4/26/95	15	20.8333	1.8333	9.32	-0.72
4/26/95	15	20.9167	1.9167	9.30	-0.70
4/26/95	15	21	2	9.29	-0.69
4/26/95	15	21.5	2.5	9.22	-0.62
4/26/95	15	22	3	9.17	-0.57
4/26/95	15	22.5	3.5	9.14	-0.54
4/26/95	15	23	4	9.11	-0.51
4/26/95	15	23.5	4.5	9.10	-0.50
4/26/95	15	24	5	9.08	-0.48
4/26/95	15	24.5	5.5	9.07	-0.47
4/26/95	15	25	6	9.07	-0.47
4/26/95	15	25.5	6.5	9.05	-0.45
4/26/95	15	26	7	9.04	-0.44
4/26/95	15	26.5	7.5	9.04	-0.44
4/26/95	15	27	8	9.03	-0.43
4/26/95	15	27.5	8.5	9.02	-0.42
4/26/95	15	28	9	9.03	-0.43
4/26/95	15	28.5	9.5	9.03	-0.43
4/26/95	15	29	10	9.02	-0.42
4/26/95	15	30	11	9.02	-0.42
4/26/95	15	31	12	9.02	-0.42
4/26/95	15	32	13	9.00	-0.40
4/26/95	15	33	14	9.01	-0.41
4/26/95	15	34	15	9.01	-0.41
4/26/95	15	35	16	9.01	-0.41



Hydraulic Conductivty Calculations

Project: Woodbridge Research Facility

Location: AREE 8

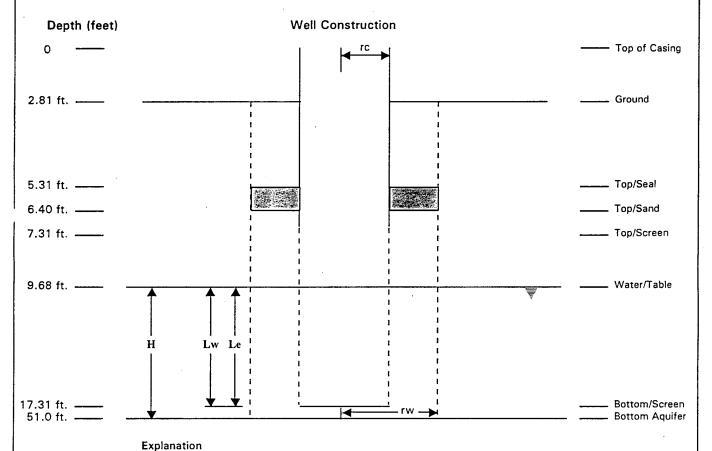
Computed by: DFP Checked by:

Project Number: 931976-03

Well Number: MW39

Date Completed: 05/04/95

Reference: Bower and Rice Method (1976)



-xpialiation

H = Depth of Saturated Zone = 33.69 feet

Lw = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 7.63 feet

Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet

rc = Inside Radius of Well Casing = 0.17 feet

rw = Radius of Well Developed Zone (Borehole) = 0.50 feet

SLUG TEST DATA SHEET FOR MW39: SLUG IN

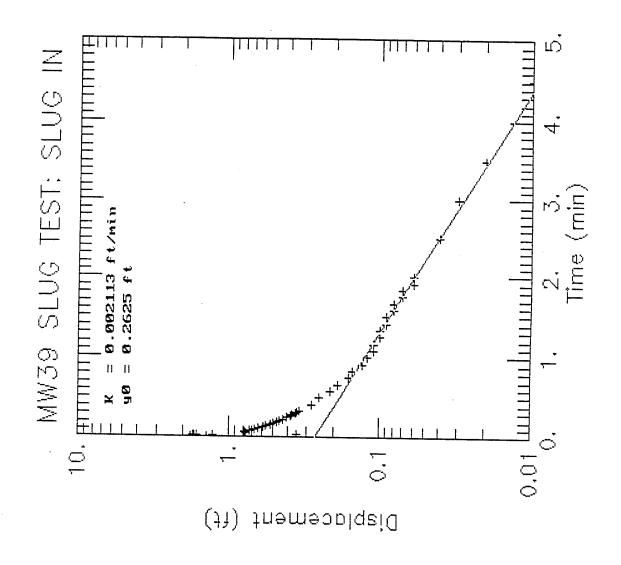
STATIC WATER LEVEL (H0) = 10.70 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
5/1/95	16	10.0099	0.0099	8.93	1.77
5/1/95	16	10.0133	0.0133	9.31	1.39
5/1/95	16	10.0166	0.0166	9.09	1.61
5/1/95	16	10.0233	0.0233	9.01	1.69
5/1/95	16	10.0266	0.0266	8.99	1.71
5/1/95	16	10.03	0.03	9.44	1.26
5/1/95	16	10.0333	0.0333	10.35	0.35
5/1/95	16	10.05	0.05	9.93	0.77
5/1/95	16	10.0666	0.0666	9.92	0.78
5/1/95	16	10.0833	0.0833	9.98	0.72
5/1/95	16	10.1	0.1	10.03	0.67
5/1/95	16	10.1166	0.1166	10.07	0.63
5/1/95	16	10.1333	0.1333	10.11	0.59
5/1/95	16	10.15	0.15	10.14	0.56
5/1/95	16	10.1666	0.1666	10.18	0.52
5/1/95	16	10.1833	0.1833	10.20	0.50
5/1/95	16	10.2	0.2	10.22	0.48
5/1/95	16	10.2166	0.2166	10.24	0.46
5/1/95	16	10.2333	0.2333	10.27	0.43
5/1/95	16	10.25	0.25	10.29	0.41
5/1/95	16	10.2666	0.2666	10.31	0.39
5/1/95	16	10.2833	0.2833	10.32	0.38
5/1/95	16	10.3	0.3	10.34	0.36
5/1/95	16	10.3166	0.3166	10.35	0.35
5/1/95	16	10.3333	0.3333	10.36	0.34
5/1/95	16	10.4167	0.4167	10.42	0.28
5/1/95	16	10.5	0.5	10.45	0.25
5/1/95	16	10.5833	0.5833	10.49	0.21
5/1/95	16	10.6667	0.6667	10.51	0.19
5/1/95	16	10.75	0.75	10.54	0.16
5/1/95	16	10.8333	0.8333	10.55	0.15
5/1/95	16	10.9167	0.9167	10.57	0.13
5/1/95	16	11	1	10.58	0.12
5/1/95	16	11.0833	1.0833	10.59	0.11
5/1/95	16	11.1667	1.1667	10.59	0.11
5/1/95	16	11.25	1.25	10.60	0.10

SLUG TEST DATA SHEET FOR MW39: SLUG IN

STATIC WATER LEVEL (H0) = 10.70 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
5/1/95	16	11.3333	1.3333	10.60	0.10
5/1/95	16	11.4166	1.4166	10.61	0.09
5/1/95	16	11.5	1.5	10.61	0.09
5/1/95	16	11.5833	1.5833	10.62	0.08
5/1/95	16	11.6667	1.6667	10.62	0.08
5/1/95	16	11.75	1.75	10.63	0.07
5/1/95	16	11.8333	1.8333	10.63	0.07
5/1/95	16	11.9167	1.9167	10.64	0.06
5/1/95	16	12	2	10.64	0.06
5/1/95	16	12.5	2.5	10.66	0.04
5/1/95	16	13	3	10.67	0.03
5/1/95	16	13.5	3.5	10.68	0.02
5/1/95	16	14	4	10.69	0.01
5/1/95	16	14.5	4.5	10.69	0.01
5/1/95	16	15	5	10.70	0.00
5/1/95	16	15.5	5.5	10.69	0.01
5/1/95	16	16	6	10.69	0.01
5/1/95	16	16.5	6.5	10.70	0.00
5/1/95	16	17	7	10.70	0.00
5/1/95	16	17.5	7.5	10.70	0.00
5/1/95	16	18	8	10.70	0.00
5/1/95	16	18.5	8.5	10.70	0.00
5/1/95	16	19	9	10.70	0.00
5/1/95	16	19.5	9.5	10.70	0.00
5/1/95	16	20	10	10.70	0.00
5/1/95	16	21	11	10.70	0.00
5/1/95	16	22	12	10.70	0.00



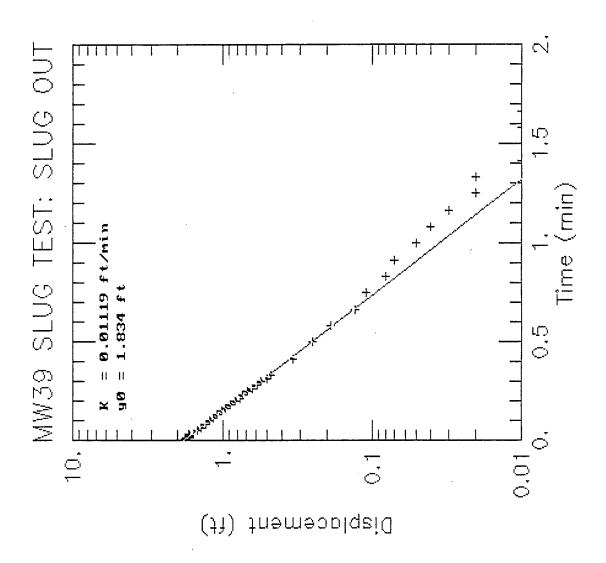
SLUG TEST DATA SHEET FOR MW39: SLUG OUT

TIME		TIME SINCE	WATER LEVEL	WATER	
		SLUG INTRO/	(FT. BELOW	LEVEL	
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
5/1/95	16	24	0	11.51	-0.81
5/1/95	16	24.0033	0.0033	12.38	-1.68
5/1/95	16	24.0066	0.0066	12.50	-1.80
5/1/95	16	24.0099	0.0099	12.50	-1.80
5/1/95	16	24.0133	0.0133	12.44	-1.74
5/1/95	16	24.0166	0.0166	12.35	-1.65
5/1/95	16	24.02	0.02	12.36	-1.66
5/1/95	16	24.0233	0.0233	12.38	-1.68
5/1/95	16	24.0266	0.0266	12.35	-1.65
5/1/95	16	24.03	0.03	12.35	-1.65
5/1/95	16	24.0333	0.0333	12.38	-1.68
5/1/95	16	24.05	0.05	12.18	-1.48
5/1/95	16	24.0666	0.0666	12.09	-1.39
5/1/95	16	24.0833	0.0833	12.00	-1.30
5/1/95	16	24.1	0.1	11.93	-1.23
5/1/95	16	24.1166	0.1166	11.86	-1.16
5/1/95	16	24.1333	0.1333	11.79	-1.09
5/1/95	16	24.15	0.15	11.72	-1.02
5/1/95	16	24.1666	0.1666	11.66	-0.96
5/1/95	16	24.1833	0.1833	11.59	-0.89
5/1/95	16	24.2	0.2	11.53	-0.83
5/1/95	16	24.2166	0.2166	11.47	-0.77
5/1/95	16	24.2333	0.2333	11.43	-0.73
5/1/95	16	24.25	0.25	11.38	-0.68
5/1/95	16	24.2666	0.2666	11.33	-0.63
5/1/95	16	24.2833	0.2833	11.29	-0.59
5/1/95	16	24.3	0.3	11.25	-0.55
5/1/95	16	24.3166	0.3166	11.20	-0.50
5/1/95	16	24.3333	0.3333	11.18	-0.48
5/1/95	16	24.4167	0.4167	11.04	-0.34
5/1/95	16	24.5	0.5	10.95	-0.25
5/1/95	16	24.5833	0.5833	10.89	-0.19
5/1/95	16	24.6667	0.6667	10.83	-0.13
5/1/95	16	24.75	0.75	10.81	-0.11
5/1/95	16	24.8333	0.8333	10.78	-0.08
5/1/95	16	24.9167	0.9167	10.77	-0.07

SLUG TEST DATA SHEET FOR MW39: SLUG OUT

STATIC WATER LEVEL (H0) = 10.70 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	H	Н0-Н
5/1/95	16	25	1	10.75	-0.05
5/1/95	16	25.0833	1.0833	10.74	-0.04
5/1/95	16	25.1667	1.1667	10.73	-0.03
5/1/95	16	25.25	1.25	10.72	-0.02
5/1/95	16	25.3333	1.3333	10.72	-0.02
5/1/95	16	25.4166	1.4166	10.71	-0.01
5/1/95	16	25.5	1.5	10.70	0.00
5/1/95	16	25.5833	1.5833	10.71	-0.01
5/1/95	16	25.6667	1.6667	10.71	-0.01
5/1/95	16	25.75	1.75	10.70	0.00
5/1/95	16	25.8333	1.8333	10.70	0.00
5/1/95	16	25.9167	1.9167	10.70	0.00
5/1/95	16	26	2	10.70	0.00
5/1/95	16	26.5	2.5	10.70	0.00
5/1/95	16	27	3	10.70	0.00
5/1/95	16	27.5	3.5	10.70	0.00
5/1/95	16	28	4	10.69	0.01
5/1/95	16	28.5	4.5	10.69	0.01
5/1/95	16	29	5	10.70	0.00
5/1/95	16	29.5	5.5	10.70	0.00
5/1/95	16	30	6	10.69	0.01
5/1/95	16	30.5	6.5	10.69	0.01
5/1/95	16	31	7	10.69	0.01
5/1/95	16	31.5	7.5	10.69	0.01
5/1/95	16	32	8	10.69	0.01
5/1/95	16	32.5	8.5	10.69	0.01
5/1/95	16	33	9	10.69	0.01
5/1/95	16	33.5	9.5	10.68	0.02
5/1/95	16	34	10	10.69	0.01



Hydraulic Conductivty Calculations

Project: Woodbridge Research Facility

Location: AREE 8

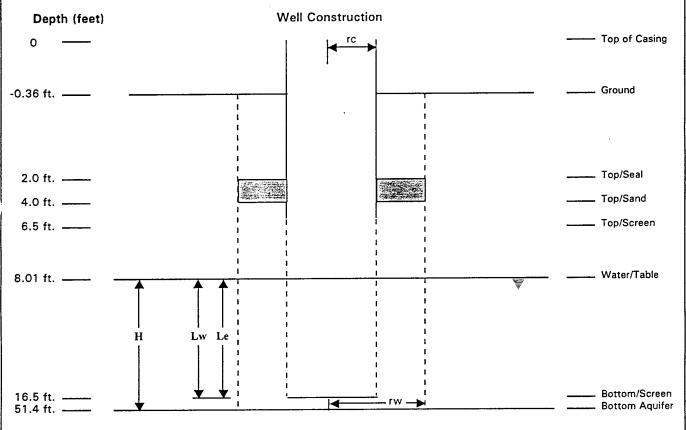
Computed by: DFP
Checked by:

Project Number: 931976-03

Well Number: MW40

Date Completed: 05/04/95

Reference: Bower and Rice Method (1976)



Explanation

H = Depth of Saturated Zone = 34.90 feet

w = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 8.49 feet

Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 10 feet

rc = Inside Radius of Well Casing = 0.17 feet

rw = Radius of Well Developed Zone (Borehole) = 0.50 feet

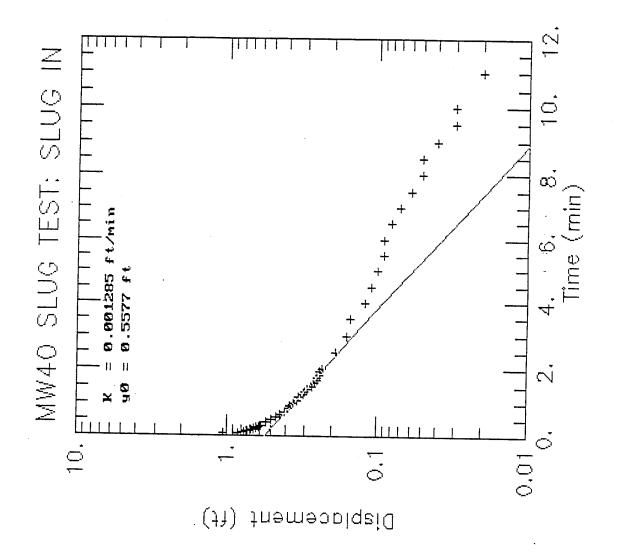
SLUG TEST DATA SHEET FOR MW40: SLUG IN

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	13	48	0	9.42	0.00
4/27/95	13	48.0033	0.0033	9.42	0.00
4/27/95	13	48.0066	0.0066	9.43	-0.01
4/27/95	13	48.0099	0.0099	9.42	0.00
4/27/95	13	48.0133	0.0133	9.42	0.00
4/27/95	13	48.0166	0.0166	9.42	0.00
4/27/95	13	48.02	0.02	9.42	0.00
4/27/95	13	48.0233	0.0233	9.42	0.00
4/27/95	13	48.0266	0.0266	9.42	0.00
4/27/95	13	48.03	0.03	8.53	0.89
4/27/95	13	48.0333	0.0333	8.48	0.94
4/27/95	13	48.05	0.05	8.86	0.56
4/27/95	13 -	48.0666	0.0666	8.60	0.82
4/27/95	13	48.0833	0.0833	8.37	1.05
4/27/95	13	48.1	0.1	8.58	0.84
4/27/95	13	48.1166	0.1166	8.62	0.80
4/27/95	13	48.1333	0.1333	8.66	0.76
4/27/95	13	48.15	0.15	8.68	0.74
4/27/95	13	48.1666	0.1666	8.70	0.72
4/27/95	13	48.1833	0.1833	8.73	0.69
4/27/95	13	48.2	0.2	8.74	0.68
4/27/95	13	48.2166	0.2166	8.76	0.66
4/27/95	13	48.2333	0.2333	8.77	0.65
4/27/95	13	48.25	0.25	8.79	0.63
4/27/95	13	48.2666	0.2666	8.79	0.63
4/27/95	13	48.2833	0.2833	8.81	0.61
4/27/95	13	48.3	0.3	8.82	0.60
4/27/95	13	48.3166	0.3166	8.83	0.59
4/27/95	13	48.3333	0.3333	8.83	0.59
4/27/95	13	48.4167	0.4167	8.88	0.54
4/27/95	13	48.5	0.5	8.92	0.50
4/27/95	13	48.5833	0.5833	8.95	0.47
4/27/95	13	48.6667	0.6667	8.98	0.44
4/27/95	13	48.75	0.75	9.01	0.41
4/27/95	13	48.8333	0.8333	9.03	0.39
4/27/95	13	48.9167	0.9167	9.04	0.38

SLUG TEST DATA SHEET FOR MW40: SLUG IN

STATIC WATER LEVEL (H0) = 9.42 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	13	49	1	9.06	0.36
4/27/95	13	49.0833	1.0833	9.08	0.34
4/27/95	13	49.1667	1.1667	9.09	0.33
4/27/95	13	49.25	1.25	9.11	0.31
4/27/95	13	49.3333	1.3333	9.12	0.30
4/27/95	13	49.4166	1.4166	9.13	0.29
4/27/95	13	49.5	1.5	9.15	0.27
4/27/95	13	49.5833	1.5833	9.16	0.26
4/27/95	13	49.6667	1.6667	9.17	0.25
4/27/95	13	49.75	1.75	9.17	0.25
4/27/95	13	49.8333	1.8333	9.18	0.24
4/27/95	13	49.9167	1.9167	9.18	0.24
4/27/95	13	50	2	9.19	0.23
4/27/95	13	50.5	2.5	9.23	0.19
4/27/95	13	51	3	9.26	0.16
4/27/95	13	51.5	3.5	9.27	0.15
4/27/95	13	52	4	9.30	0.12
4/27/95	13	52.5	4.5	9.31	0.11
4/27/95	13	53	5	9.32	0.10
4/27/95	13	53.5	5.5	9.33	0.09
4/27/95	13	54	6	9.33	0.09
4/27/95	13	54.5	6.5	9.34	0.08
4/27/95	13	55	7	9.35	0.07
4/27/95	13	55.5	7.5	9.36	0.06
4/27/95	13	56	8	9.37	0.05
4/27/95	13	56.5	8.5	9.37	0.05
4/27/95	13	57	9	9.38	0.04
4/27/95	13	57.5	9.5	9.39	0.03
4/27/95	13	58	10	9.39	0.03
4/27/95	13	59	11	9.40	0.02
4/27/95	14	60	12	9.41	0.01
4/27/95	14	61	13	9.42	0.00



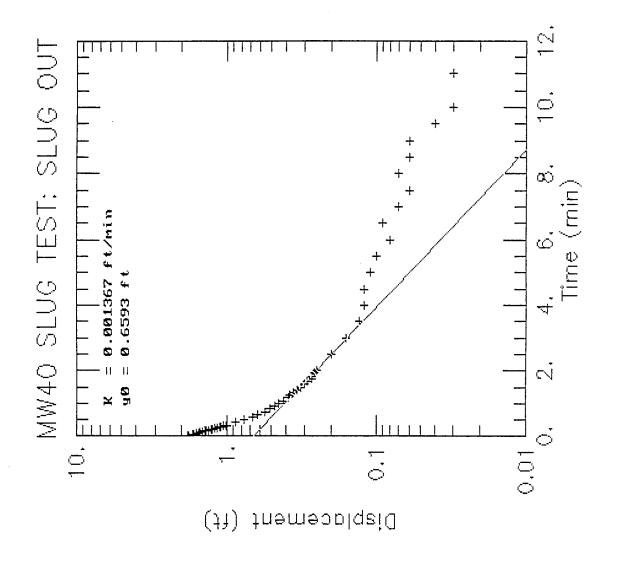
SLUG TEST DATA SHEET FOR MW40: SLUG OUT

TIME		TIME SINCE	WATER LEVEL	WATER	
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	14	2	0	11.83	-1.13
4/27/95	14	2.0033	0.0033	13.93	-3.23
4/27/95	14	2.0066	0.0066	11.81	-1.11
4/27/95	14	2.0099	0.0099	11.39	-0.69
4/27/95	14	2.0133	0.0133	12.33	-1.63
4/27/95	14	2.0166	0.0166	12.39	-1.69
4/27/95	14	2.02	0.02	12.51	-1.81
4/27/95	14	2.0233	0.0233	12.51	-1.81
4/27/95	14	2.0266	0.0266	12.52	-1.82
4/27/95	14	2.03	0.03	12.48	-1.78
4/27/95	14	2.0333	0.0333	12.47	-1.77
4/27/95	14	2.05	0.05	12.40	-1.70
4/27/95	14	2.0666	0.0666	12.35	-1.65
4/27/95	14	2.0833	0.0833	12.29	-1.59
4/27/95	14	2.1	0.1	12.24	-1.54
4/27/95	14	2.1166	0.1166	12.20	-1.50
4/27/95	14	2.1333	0.1333	12.14	-1.44
4/27/95	14	2.15	0.15	12.10	-1.40
4/27/95	14	2.1666	0.1666	12.06	-1.36
4/27/95	14	2.1833	0.1833	12.01	-1.31
4/27/95	14	2.2	0.2	11.97	-1.27
4/27/95	14	2.2166	0.2166	11.94	-1.24
4/27/95	14	2.2333	0.2333	11.89	-1.19
4/27/95	14	2.25	0.25	11.85	-1.15
4/27/95	14	2.2666	0.2666	11.82	-1.12
4/27/95	14	2.2833	0.2833	11.79	-1.09
4/27/95	14	2.3	0.3	11.75	-1.05
4/27/95	14	2.3166	0.3166	11.72	-1.02
4/27/95	14	2.3333	0.3333	11.70	-1.00
4/27/95	14	2.4167	0.4167	11.57	-0.87
4/27/95	14	2.5	0.5	11.46	-0.76
4/27/95	14	2.5833	0.5833	11.37	-0.67
4/27/95	14	2.6667	0.6667	11.32	-0.62
4/27/95	14	2.75	0.75	11.25	-0.55
4/27/95	14	2.8333	0.8333	11.21	-0.51
4/27/95	14	2.9167	0.9167	11.18	-0.48

SLUG TEST DATA SHEET FOR MW40: SLUG OUT

STATIC WATER LEVEL (H0) = 10.70 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/		LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	14	3	1	11.15	-0.45
4/27/95	14	3.0833	1.0833	11.12	-0.42
4/27/95	14	3.1667	1.1667	11.09	-0.39
4/27/95	14	3.25	1.25	11.08	-0.38
4/27/95	14	3.3333	1.3333	11.06	-0.36
4/27/95	14	3.4166	1.4166	11.04	-0.34
4/27/95	14	3.5	1.5	11.02	-0.32
4/27/95	14	3.5833	1.5833	11.00	-0.30
4/27/95	14	3.6667	1.6667	10.99	-0.29
4/27/95	14	3.75	1.75	10.97	-0.27
4/27/95	14	3.8333	1.8333	10.97	-0.27
4/27/95	14	3.9167	1.9167	10.96	-0.26
4/27/95	14	4	2	10.95	-0.25
4/27/95	14	4.5	2.5	10.90	-0.20
4/27/95	14	5	3	10.86	-0.16
4/27/95	14	5.5	3.5	10.83	-0.13
4/27/95	14	6	4	10.82	-0.12
4/27/95	14	6.5	4.5	10.82	-0.12
4/27/95	14	7	5	10.81	-0.11
4/27/95	14	7.5	5.5	10.80	-0.10
4/27/95	14	8	6	10.78	-0.08
4/27/95	14	8.5	6.5	10.79	-0.09
4/27/95	14	9	7	10.77	-0.07
4/27/95	14	9.5	7.5	10.76	-0.06
4/27/95	14	10	8	10.77	-0.07
4/27/95	14	10.5	8.5	10.76	-0.06
4/27/95	14	11	9	10.76	-0.06
4/27/95	14	11.5	9.5	10.74	-0.04
4/27/95	14	12	10	10.73	-0.03
4/27/95	14	13	11	10.73	-0.03
4/27/95	14	14	12	10.73	-0.03
4/27/95	14	15	13	10.73	-0.03
4/27/95	14	16	14	10.73	-0.03
4/27/95	14	17	15	10.72	-0.02
4/27/95	14	18	16	10.73	-0.03
4/27/95	14	19	17	10.73	-0.03



Hydraulic Conductivty Calculations

Project: Woodbridge Research Facility

Location: AREE 8

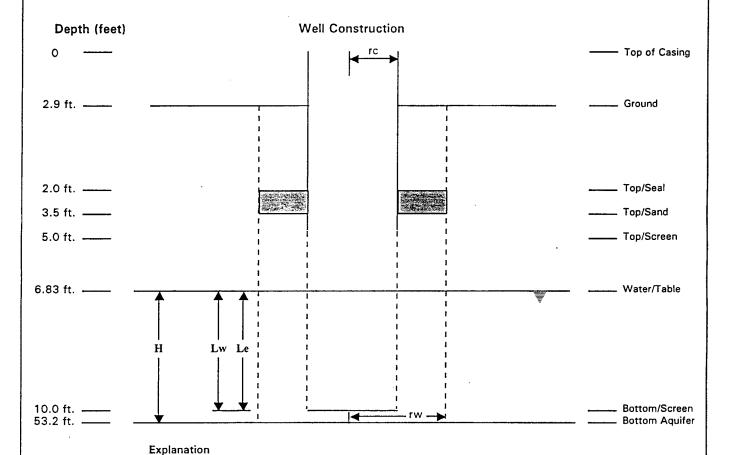
Computed by: DFP
Checked by:

Project Number: 931976-03

Well Number: MW41

Date Completed: 05/04/95

Reference: Bower and Rice Method (1976)



H = Depth of Saturated Zone = 43.20 feet

_w = Distance from Static Water Level to Bottom of Developed Zone (Bottom of Screen) = 3.17 feet

Le = Distance from Top of Screen to Bottom of Developed Zone (Bottom of Screen) = 5.0 feet

rc = Inside Radius of Well Casing = 0.17 feet

rw = Radius of Well Developed Zone (Borehole) = 0.50 feet

SLUG TEST DATA SHEET FOR MW41: SLUG IN

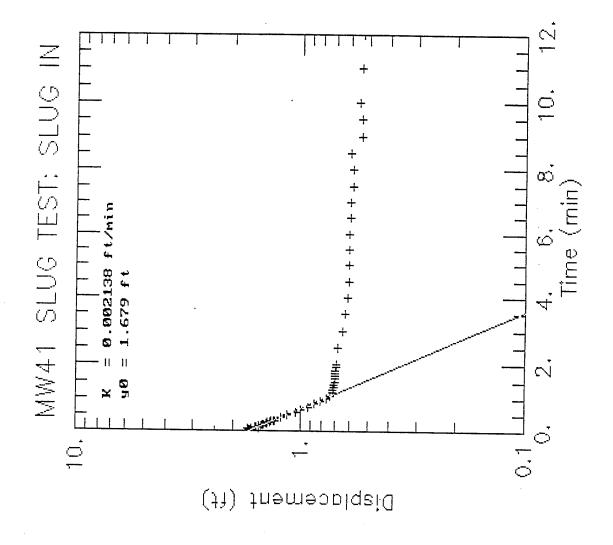
STATIC WATER LEVEL (H0) = 7.16 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	9	33	0	7.14	0.02
4/27/95	9	33.0033	0.0033	7.15	0.01
4/27/95	9	33.0066	0.0066	6.87	0.29
4/27/95	9	33.0099	0.0099	6.39	0.77
4/27/95	9	33.0133	0.0133	6.16	1.00
4/27/95	9	33.0166	0.0166	5.92	1.24
4/27/95	9	33.02	0.02	5.80	1.36
4/27/95	9	33.0233	0.0233	5.70	1.46
4/27/95	9	33.0266	0.0266	6.00	1.16
4/27/95	9	33.03	0.03	6.36	0.80
4/27/95	9	33.0333	0.0333	4.75	2.41
4/27/95	9	33.05	0.05	5.48	1.68
4/27/95	9	33.0666	0.0666	5.49	1.67
4/27/95	9	33.0833	0.0833	5.51	1.65
4/27/95	9	33.1	0.1	5.45	1.71
4/27/95	9	33.1166	0.1166	5.57	1.59
4/27/95	9.	33.1333	0.1333	5.60	1.56
4/27/95	9	33.15	0.15	5.63	1.53
4/27/95	9	33.1666	0.1666	5.64	1.52
4/27/95	9	33.1833	0.1833	5.67	1.49
4/27/95	9	33.2	0.2	5.69	1.47
4/27/95	9	33.2166	0.2166	5.71	1.45
4/27/95	9	33.2333	0.2333	5.74	1.42
4/27/95	9	33.25	0.25	5.76	1.40
4/27/95	9	33.2666	0.2666	5.77	1.39
4/27/95	9	33.2833	0.2833	5.80	1.36
4/27/95	9	33.3	0.3	5.81	1.35
4/27/95	9	33.3166	0.3166	5.84	1.32
4/27/95	9	33.3333	0.3333	5.86	1.30
4/27/95	9	33.4167	0.4167	5.94	1.22
4/27/95	9	33.5	0.5	6.02	1.14
4/27/95	9	33.5833	0.5833	6.11	1.05
4/27/95	9	33.6667	0.6667	6.17	0.99
4/27/95	9	33.75	0.75	6.24	0.92
4/27/95	9	33.8333	0.8333	6.29	0.87
4/27/95	9	33.9167	0.9167	6.35	0.81

SLUG TEST DATA SHEET FOR MW41: SLUG IN

STATIC WATER LEVEL (H0) = 7.16 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	9	34	1	6.40	0.76
4/27/95	9	34.0833	1.0833	6.42	0.74
4/27/95	9	34.1667	1.1667	6.44	0.72
4/27/95	9	34.25	1.25	6.44	0.72
4/27/95	9	34.3333	1.3333	6.45	0.71
4/27/95	9	34.4166	1.4166	6.45	0.71
4/27/95	9	34.5	1.5	6.46	0.70
4/27/95	9	34.5833	1.5833	6.46	0.70
4/27/95	9	34.6667	1.6667	6.46	0.70
4/27/95	9	34.75	1.75	6.46	0.70
4/27/95	9	34.8333	1.8333	6.46	0.70
4/27/95	9	34.9167	1.9167	6.47	0.69
4/27/95	9	35	2	6.47	0.69
4/27/95	9	35.5	2.5	6.48	0.68
4/27/95	9	36	3	6.51	0.65
4/27/95	9	36.5	3.5	6.53	0.63
4/27/95	. 9	37	4	6.54	0.62
4/27/95	9	37.5	4.5	6.55	0.61
4/27/95	9	38	5	6.55	0.61
4/27/95	9	38.5	5.5	6.55	0.61
4/27/95	9	39	6	6.55	0.61
4/27/95	9	39.5	6.5	6.56	0.60
4/27/95	. 9	40	7	6.56	0.60
4/27/95	9	40.5	7.5	6.57	0.59
4/27/95	9 .	41	8	6.57	0.59
4/27/95	9	41.5	8.5	6.56	0.60
4/27/95	9	42	9	6.62	0.54
4/27/95	9	42.5	9.5	6.62	0.54
4/27/95	9	43	10	6.61	0.55
4/27/95	9	44	11	6.62	0.54
4/27/95	9	45	12	6.63	0.53
4/27/95	9	46	13	6.62	0.54



SLUG TEST DATA SHEET FOR MW41: SLUG OUT

STATIC WATER LEVEL (H0) = 7.16 FT.

	TIME	·	TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	9	48	0	9.03	-1.87
4/27/95	9	48.0033	0.0033	9.01	-1.85
4/27/95	9	48.0066	0.0066	8.56	-1.40
4/27/95	9	48.0099	0.0099	9.14	-1.98
4/27/95	9	48.0133	0.0133	9.11	-1.95
4/27/95	9	48.0166	0.0166	9.10	-1.94
4/27/95	9	48.02	0.02	9.10	-1.94
4/27/95	9	48.0233	0.0233	9.09	-1.93
4/27/95	9	48.0266	0.0266	9.08	-1.92
4/27/95	9	48.03	0.03	9.07	-1.91
4/27/95	9	48.0333	0.0333	9.06	-1.90
4/27/95	9	48.05	0.05	9.02	-1.86
4/27/95	9	48.0666	0.0666	8.99	-1.83
4/27/95	9	48.0833	0.0833	8.96	-1.80
4/27/95	9	48.1	0.1	8.94	-1.78
4/27/95	9	48.1166	0.1166	8.93	-1.77
4/27/95	9	48.1333	0.1333	8.93	-1.77
4/27/95	9	48.15	0.15	8.93	-1.77
4/27/95	9	48.1666	0.1666	8.93	-1.77
4/27/95	9	48.1833	0.1833	8.92	-1.76
4/27/95	9	48.2	0.2	8.92	-1.76
4/27/95	9	48.2166	0.2166	8.92	-1.76
4/27/95	9	48.2333	0.2333	8.91	-1.75
4/27/95	9	48.25	0.25	8.91	-1.75
4/27/95	9	48.2666	0.2666	8.91	-1.75
4/27/95	9	48.2833	0.2833	8.91	-1.75
4/27/95	9	48.3	0.3	8.91	-1.75
4/27/95	9	48.3166	0.3166	8.90	-1.74
4/27/95	9	48.3333	0.3333	8.90	-1.74
4/27/95	9	48.4167	0.4167	8.88	-1.72
4/27/95	9	48.5	0.5	8.86	-1.70
4/27/95	9	48.5833	0.5833	8.84	-1.68
4/27/95	9	48.6667	0.6667	8.82	-1.66
4/27/95	9	48.75	0.75	8.81	-1.65
4/27/95	9	48.8333	0.8333	8.78	-1.62
4/27/95	9	48.9167	0.9167	8.76	-1.60

SLUG TEST DATA SHEET FOR MW41: SLUG OUT

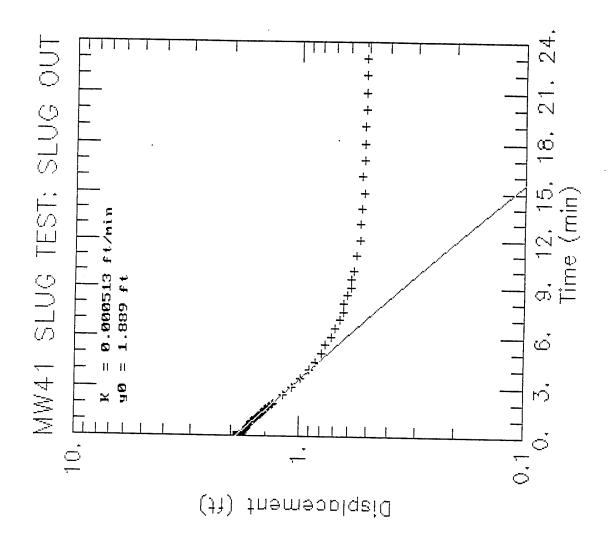
STATIC WATER LEVEL (H0) = 7.16 FT.

	TIME		TIME SINCE	WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	H	Н0-Н
4/27/95	9	49	1	8.73	-1.57
4/27/95	9	49.0833	1.0833	8.70	-1.54
4/27/95	9	49.1667	1.1667	8.68	-1.52
4/27/95	9	49.25	1.25	8.67	-1.51
4/27/95	9	49.3333	1.3333	8.64	-1.48
4/27/95	9	49.4166	1.4166	8.62	-1.46
4/27/95	9	49.5	1.5	8.59	-1.43
4/27/95	9	49.5833	1.5833	8.57	-1.41
4/27/95	9	49.6667	1.6667	8.55	-1.39
4/27/95	9	49.75	1.75	8.53	-1.37
4/27/95	9	49.8333	1.8333	8.50	-1.34
4/27/95	9	49.9167	1.9167	8.48	-1.32
4/27/95	9	50	2	8.46	-1.30
4/27/95	9	50.5	2.5	8.33	-1.17
4/27/95	9	51	3	8.23	-1.07
4/27/95	9	51.5	3.5	8.14	-0.98
4/27/95	9	52	4	8.06	-0.90
4/27/95	9	52.5	4.5	8.01	-0.85
4/27/95	9	53	5	7.95	-0.79
4/27/95	9	53.5	5.5	7.92	-0.76
4/27/95	9	54	6	7.88	-0.72
4/27/95	9	54.5	6.5	7.85	-0.69
4/27/95	9	55	7	7.82	-0.66
4/27/95	9	55.5	7.5	7.79	-0.63
4/27/95	9	56	8	7.79	-0.63
4/27/95	9	56.5	8.5	7.77	-0.61
4/27/95	9	57	9	7.75	-0.59
4/27/95	9	57.5	9.5	7.75	-0.59
4/27/95	9	58	10	7.73	-0.57
4/27/95	9	59	11	7.72	-0.56
4/27/95	10	60	12	7.70	-0.54
4/27/95	10	61	13	7.70	-0.54
4/27/95	10	62	14	7.69	-0.53
4/27/95	10	63	15	7.68	-0.52
4/27/95	10	64	16	7.69	-0.53
4/27/95	10	65	17	7.68	-0.52

SLUG TEST DATA SHEET FOR MW41: SLUG OUT

STATIC WATER LEVEL (H0) = 7.16 FT.

			T	Y	
	TIME			WATER LEVEL	WATER
			SLUG INTRO/	(FT. BELOW	LEVEL
			REMOVED	DATUM)	CHANGE
DATE	HOUR	MINUTE	(MIN)	Н	Н0-Н
4/27/95	10	66	18	7.68	-0.52
4/27/95	10	67	19	7.68	-0.52
4/27/95	10	68	20	7.67	-0.51
4/27/95	10	69	21	7.67	-0.51
4/27/95	10	70	22	7.67	-0.51
4/27/95	10	71	23	7.67	-0.51
4/27/95	10	72	24	7.67	-0.51



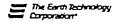
APPENDIX E FIELD DATA FORMS

=	The Earth Rechnology
=	Corporador*

Borehole Log

Project Name:										Project Numb	ær:
Borehole Location:									Borehole No. Sheet 1 of		
Drilling Agency:									Driller:		
Drillin	ıg Ed	qulpm	ent:						Date Started:	Total Depth (feet):
Drillin	ng M	fetho	ქ :						Date Finished:	Depth t Bedroo	o k (feet):
Drillin	ıg Fl	uid							Number of Samples:	Depth t Water (o (feet):
Comp	oletio	n Info	orma	tion:					Borehole Diameter (in):	Elevation and Da	on
								•	Logged by:	Checke	
		S	amp	9		Analysis	LOG				
Depth (feet)	Number	Interval	Blow Count	Recovery	Птв	PID or FID (ppm) S/B*	USCS or Rock Type		Lithologic Description		– Æ Remarks
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KEY: *S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone;
BG = Background; BH = Borehole Headspace

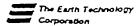


Borehole Log

(Continuation Sheet)

Proje	Project Name:							Project Number:	Sheet	2 of
Bore	Borehole Location:							Borehole Number:	Logged	l by:
-	Sample Analysis LOG					I Amakusia	100	Number:	Date:	
	Number		Blow Count	Ве∞уелу		£.€.	USCS or Rock Type	Lithologic Description		Remarks
	N	Interval	Blow	Hex C	TIme	OIA	Rod			
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							-		-	
-35										

KEY: * S/B = Sample Reading / Background Reading; NA = Not Analyzed; BZ = Breathing Zone; BG = Background; BH = Borehole Headspace



Monitoring Well Construction Log - Above Ground

Project Name:	Project Number;	Оам:
Welt .	Well tO:	Sheet of
Dniller;	Borenole Diameter (in):	Total Depth (m:
Dritting Agency:	Date Started:	Depth to Water (rt):
Drilling Equipment	Date Finished;	Elevation and Datum;
Drilling Method:	Logged by:	Checked by:
Orlling Fluid:	Number of Samples:	Date:

PROTECTIVE CSQ

Tremled (Y / N)

9/1/91

				Material / Type:	
	<u></u>			Diameter:	
	Elev	į		Depth BGS:	Weep Hole (Y / N)
	Height			GUARD POSTS (Y/N)	
	Elev.			Na:Type:	
				SURFACE PAD	
	GS Elev.			Composition and Size:	
Geologic		0.00'	+- +-	RISER PIPE	,
	GS Height	- 0.00		Туре:	
	Depth BGS	`		Diameter:	
'	1			Total Length (TOC to TOS):	
				Vendated Cap (Y / N)	
				arout	
		1.1		Composition and Proportions:	·
		·			
				Tremled (Y / Y)	
•				Interval BGS:	
				CENTRALIZERS	
		X		Depth(z)	· · · · · · · · · · · · · · · · · · ·
				SEAL	
				Type:	
				Source:	
		A		Setup / Hydration Time:	Vol. Fluid Added
				Tremled (Y / N)	
		↑		FILTER PACK	
1	İ	1 1		Туря	
				Amt. Used:	
				Tremled (Y / N)	
				Source;	
	<u> </u>			Gr. Stz+ Dist:	•
			一带	SCREEN	
		↓		Typec	
	_			Diameter	
		1		Slot Size and Type:	
		<u> </u>		Interval BGS:	· · · · · · · · · · · · · · · · · · ·
				WELL FOOT (Y/N) Interval BGS:	Length
1				Bottom Cap (Y/N)	Len Qu
	TD:		ECCEPTED 1	BACKFILL PLUG	
		Borehole —— ⇒ Dia		Material:	
		via.	<u> </u>	Setup / Hydration Time:	5 5 100 t

WELL DEVELOPMENT LOG

Date: Well ID: Sample Number: Recorded By:
Project Name: Well Location: Duplicate Number: Checked By:
Project Number: Date Well Installed:

EQUIPMENT

pH/Conductivity/Temperature Meter #:

Purging Equipment:

PID #:

Electric Sounder #:

WELL DATA

Elevation:

Water Column in Well:

Total Vol. Extr.:

Well Diameter:

Borehole Diameter:

Ambient PID:

Well Depth:

Water Column in Borehole:

Well Mouth PID:

Static Water Level:

Standing Water Vol.:

Static Water Level 24 Hrs. After

Development:

Screen Length:

Ground Condition of Well:

Remarks:

		Pur		
	1	2	3	4
Time				
Rate	·	<u></u>		
Тепрегатиге				
pН				
Conductivity				
pH Conductivity Vol. Purged Remarks				
Remarks				

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	Corporation

Slug Test Data Sheet

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roject	Name						Project No.							
.ocatio	n						Date							
Well No	o													
Volume	Displa	A/beag	dded/Remov	ed			Recorded by							
Static V	Vater L	.evel (H	fo)				Datum Point							
Screen	Interv	al					- Elevation of Datum Point							
Duratio	n of Te	st:					Depth to Bottom Well (ft.)							
			ıg (ID)											
Water (evel k	leasuri	ing Equipme	nt			Saturated Thickness (fL)							
Radius	of Wel	ll Borel	nole:		_ in(÷12=_	ft)	Cnecked by Date							
	Time		Time Since Slug Introduced /Removed	Water Level (ft. below datum)	Water Level Change		Remarks -							
Date	Hr.	Min.	t (min.)	н	H – Ho		=							
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Decontamination Record

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Project Name								-	Proje	ect Nu	ımber				
Re∞rded By			·					_	Site						
Date		Tim	e					_	Checked By						
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De∞ntamination	after bo	rehole/w	elVsamı	oling p	oint _										
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(Тура)										<u> </u>				
Bailer		.75							<u> </u>	ļ					
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Use key: .GS -	Ground	water Sa	mpling,	SS - S	Soil Sa	amplin	ıg, W	e - v	Vell P	urgin	g		-		i
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Soil / Sediment Sampling Record

Joca Namo Location Recorded By Date Site		s D	rojoct Numbor sample Numbor suplicate Numbor shocked by	
Sampling Equipn Sample Type:	nent Soil Sedimo	ent Rock		
	Sample Type Description USCS Soil Type Color Odor Depth Number of Samples Comments			STATESTICAL PROPERTY OF STREET STATESTICAL
Sampling Point (sketch):	:		
				HERMANNESS CONTROL OF THE PROPERTY OF THE PROP
Decontamination Equipment: [Hand auger Type Trowel Other	Decontamination Fluids: Steam/Hot Water Detergent/ Water Potable Water Deionized Water	Methanol Hexane HNO : dilution Other 3	- · · · · · · · · · · · · · · · · · · ·



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	Wood	bridge Resea	rch Facility,	U.S. Army F	Research Labo	ratory	
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Date:							
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Woodbridge Research Facility, U.S. Army Research Laboratory
TETC Project Number: 931976 Date:
Work Performed (Continued)
Quality Control Activities (including field calibrations):
Health and Safety Levels and Activities:
Problems Encountered/Correction Action Taken:
Special Notes:
Tomorrow's Expectations:
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By: Title:

APPENDIX F CHANOF CUSTODY FORMS



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Installation

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Prime Contractor

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Sample Program
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CHAIN-OF-CUSTODY, RECORD (COC)
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CHAIN-OF-CUSTODY RECORD Analytical Request



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Bill To: P.O. # / Billing Reference Wood Bridge SI/RI 93/976-03	ANALYSES ANA				MUMBER MUMBER	
Address 1920 King Street Suite 600 Alexardria, VA 223H		2005	RROS RROS	6 17 7 ROS 77 ROS WAR WAR WAR WAR WAR WAR WAR WAR WAR WAR	COOLER NOS. BAILERS SHIPMENT METHOD OUT/DATE RETURNED/DATE	Installation - WB Contractor - C.Y Surply Program - BEI

SEE REVERSE SIDE FOR INSTRUCTIONS

THE ASSURANCE OF OUALITY

U- 01026

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request LABORATORY REMARKS Pace Project Manager 18036 HELLESSI * ACCEPTED BY / AFFILIATION गहरूव Pace Project No. Pace Client No. EXPLOSIVES SOIL EXPLOSIVES H20 ¶37 KA04 COS AAR SJATEM 90SL THSO -- HEBB. @C\ECD LOOI VOA GC/PID M 4/10/41 1650 टो ना DATE structions for compact or lighter of Custody (COC) $\mathbb{G}_{\overline{2}}$ SDOS CMETALS GFAA RELINQUISHED BY / AFFILIATION 万万万 σ P.O. # // Billing Reference NWOG _BNY GC\WS **PRESERVATIVES** N^gOH HCl みが ₩ cONH ∴'OS²H NAPRESERVED رع ое соитейнева K BORG HOSONBOI KOZEHOBECH A KASI KASI KASI KITALI KALIKA 38 91sh s the said yet bework the ships tone it OSBHO369 S BILDINGH PACE NO. NO. OF COC IN SHIPMENT PACE SEASON W CSG BOK HOT 3 OYBHOSS STA ESO BORE 123- 123810152 5 (438||A(65)||E 23810102 A 3 SENSE SA SERIES FIELD SAMPLE NO. 238110104 **33816104** Systems and A Marines NO. OF COOLERS SchenKel A23-1 BORE 408-3 A23.18 BORE | 13-1 BORE A23-SITE ID BEI 7 MB SHIPPING AIRBILL NO. ACC465883 BRA CSO BOKE Boke CSO RORE Sampled By (PRINT): Ke.th Sampler Signature Prime Contractor Sample Program CSO 020 CSO CSO Installation

SEE REVERSE SIDE FOR INSTRUCTIONS

12 PERSONAL AN WHITE PAGE FILE TO YELLOW, PRIME CONTRACTOR PROJECT MANAGER OF PINK; PACE PROJECT MANAGER OF GOLD; RETAIN IN FIELD

Field Sampling Remarks:



U-01029

CHAIN-OF-CUSTODY RECORD (COC) Analytical Request LABORATORY REMARKS Pace Project Manager ton 73.03M S 080813S ACCEPTED BY / AFFILIATION EXPLOSIVES SOIL EXPLOSIVES HAD The Pace Project No. Pace Client No. Fed LPO1 (1) 4/6/11 1650 र्श ना S111 DATE instructions to completion filtrate to Cuetody (COC) σ 16.10 10.10 RELINQUISHED BY / AFFILIATION The sound and the sound to contract the sound of the soun 1 - 1 **PRESERVATIVES** Report To HCI FONH C70S7H ио: оғ<mark>-</mark>доит<u>қі</u>ўгвя Che date a B CITY THE EXTENSION SS. BORE ACKERSON BEING SEN ME JEGGING BEIGHTS rpic collection ADJUNCTION OF THE SERVICE Let Stateth and in Dandy Mill Schied Fried Fried Fried PACE NO. NO. OF COC IN SHIPMENT CSO BORE 408-3 088110305 3 8 16 50 80RC R08-3 08811305 5 8 6 認認 BRE NOG-3 | 08 810 SO 3 SO CSO BORE HOSESSION BURRAS GSG BORE NO SEGIFICIO DO SETIMO DE PRINCIPACIONES MENORS DE LA PORTE DE PRINCIPACIONES DE LA PORTE DE PRINCIPACIONES DE LA PORTE DE PRINCIPACIONES DE LA PORTE DE PRINCIPACIONES DE LA PORTE DE LA PORTE DE PRINCIPACIONES DE LA PORTE DEL PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DE LA PORTE DEL PORTE DE LA P FIELD SAMPLE NO. MIRK SSO BORE ROS-I OTBHOICES BORE 405-3 08810303 NO. OF COOLERS Date Sampled Schenkel SITE ID BET SHIPPING AIRBILL NO. A GGE 5883 7 28 Field Sampling Remarks: FILE. SITE NAME TYPE Sampled By (PRINT): Keth Sampler Signature Sample Program Prime Contractor CSO Sor Installation

SEE REVERSE SIDE FOR INSTRUCTIONS

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USATHAMA CHAIN-OF-CUSTODY RECORD (COC)

U- 01025

Pace Project Manager Mgoso BE Obside Wor Exprosives soluβ τς Э1 8 **Analytical Request** Pace Project No. Pace Client No. EXPLOSIVES Had SWISII 4JOT KA04 9081 MERCURY CVA 1214 **WETALS ICP** THSO -HEBB.GC/ECD OCP GC/ECD 61HJ BNA GC/MS VOA GC/PID LPO1 ()) LG03 JVOA GC/HAL VOA GC/HALL Ć *O9 OHTRO · SI 9T 9 TY03 CCYANIDE 0 SDOS UMETAL'S GFAA: (Y) OHSS - HEBB GC/ECD. ADAQ 190012 TO GOT P.O. # (Billing Reference UG03 ~VOA GOVHALL **PRESERVATIVES** O DH O FONH C FOS²H Appl 側がに、Crefogy (COC) Report To: ---- . 20 **UNPRESERVED** BORE MV-31 OF BN 3105 STARTE TO THE ALL BORE MV 31 OF BN 3105 STARTE TO THE STARTE TO eя∃หู้โล้าทoอ์}ื่∃o .oи One 9 state 2 seldrings and sign the Papellogid by the legister and sign the PACE NO. 問題の開 2 STG BORE MULTAGO OF BLANDAM 58813463 088H34G5 CSO BOKE ADSTAINT OF THE CSO BOKE PS - 1 OSEHOIDS IS 088ID103 08 BH 3 105 FIELD SAMPLE NO. Project Manyour at Date Sampled MJ=34 CSO BORE AO8-1 MU-34 SCHERE SITEID BEI <u>۲</u> ال REA M BRG. BORE Sampled By (PRINT) Keith Sampler Signature Sample Program Prime Contractor 1/4/2/18/05/D 020 050 CSO CSO Q 200 Q 200 Installation

LABORATORY REMARKS

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DATE

ACCEPTED BY / AFFILIATION

TIME

DATE

RELINQUISHED BY / AFFILIATION

NO, OF COC IN SHIPMENT

NO. OF COOLERS

SHIPPING AIRBILL NO.

46665383 Field Sampling Remarks: THE ASSURANCE OF QUALITY

Report To: X Prime Contractor Installation

Bill To:

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Pace Project Manager Pace Client No.

U- J1028

USATHAMA CLUSTODY RECORD (COC)
Analytical Request

Pace Project No.

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P.O. # /,Billing Reference

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BEI

Sample Program

Sampled By (PRINT): Keith Sampler Signature

SDOS "METALS GFAA MERCURY CVAA HEBB GC/ECD NHSS OCP GC/MS 1 SHU VOA GC/PID VOA GC/HALL NOA GC/MS

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LABORATORY REMARKS

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SHIPPING AIRBILL NO.

DATE TIME

ACCEPTED BY / AFFILIATION

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TOTAL RELINQUISHED BY / AFFILIATION DATE

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NO. OF COOLERS

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Field Sampling Remarks:

GOLD: RETAIN IN FIELD SEE REVERSE SIDE FOR INSTRUCTIONS

WHITE: PACE FILE : YELLOW: PRIME CONTRACTOR PROJECT MANAGER : PINK: PACE PROJECT MANAGER

THE ASSURTINCE OF DUALITY

U J1364

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request Pace Client No. Pace Project No. P.O. # / Billing Reference ... PRESERVATIVES Report To: Bill To: 8 BE Sampled By (PRINT) Prime Contractor Sample Program Installation

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Field Sampling Remarks:

SEE REVERSE SIDE FOR INSTRUCTIONS

WHITE: PACE FILE: YELLOW: PRIME: CONTRACTOR PROJECT MANAGER : PINK: PACE PROJECT MANAGER : GOLD; RETAIN IN FIELD

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THE ASSURANCE OF DUALITY		CHAIN-OF-CUSTODY RECORD Analytical Request
Client Cotto Technology	Report To:	Pace Client No.
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Alexandria /VA DOSH	ence	Pace Project No.
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Installation MB

Report To:

USATHAMA CHAIN-OF-CUSTODY RECORD.(COC) Analytical Request

Pace Client No.

Billy Salvion

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SEE REVERSE SIDE FOR INSTRUCTIONS

WHITE: PACE FILE: YELLOW, PRIME CONTRACTOR PROJECT MANAGER PINK; PACE PROJECT MANAGER GOLD; BETAIN IN FIELD

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THE ASSURANCE OF QUALITY MB Installation

Report To:

Pace Client No.

U- u1038

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

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SEE REVERSE SIDE FOR INSTRUCTIONS

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十二十二 中非軍部部司法官各項員司

Prime Contractor

Installation

natricions for completion in the property (COC) Report To: N B EX

USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request Pace Client No.

Bill Scruton

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SEE REVERSE SIDE FOR INSTRUCTIONS

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THE ASSURANCE OF QUALITY NB NB

Prime Contractor Sample Program

Installation

Report To:

Pace Project Manager 1 1 to 1 Pace Client No.

USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request

U-01039

Pace Project No. (Ì instructions to temperature information of Custody (COC) 000 Q (Climat No. 10 cold Adming Reference of No. 18 (1986) PACE Climat No. PRESERVATIVES BEET SEDENCEM TOOLOGE 7

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ACCEPTED BY / AFFILIATION TIME DATE RELINQUISHED BY / AFFILIATION <u>....</u> Stab Sandring NO. OF COC IN SHIPMENT The Trick (Vite learning and the learnin NO. OF COOLERS SHIPPING AIRBILL NO. 1726798603

SEE REVERSE SIDE FOR INSTRUCTIONS

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I N C O R P O R A T E D
THE ASSURANCE OF QUALITY

Pace Project No. Pace Client No. 07/9/80 Project Manager of Street PACE Client No. Project Manager To completion filtreto of costody (COC) Report To BET 83 \searrow Prime Contractor Sample Program Installation

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

Pace Client No.

Pace Project Manager CT UTU

U- J1372

5/17/4 1930 LABORATORY REMARKS DATE ACCEPTED BY / AFFILIATION EXPLOSIVES SOIL TCLP \heartsuit KA04 METALS ICP 1214 Ted HERB GC/ECD OCP GC/ECD 61HJ BNA GC/MS VOA GC/PID YOA GC/HALL **FG03** TIME TETOS/11/4 1830 RELINQUISHED BY / AFFILIATION DATE 5071 **PRESERVATIVES** O DH NãOH X 12 Pain HNO3 T'OS'H NAPRESERVED. Sind Sind is CONT ея<u>э</u>ијутио<u>э</u> оо ои W I and sign their 4xp2 riple collection. PACE NO. NO. OF COC IN SHIPMENT -1° 63 muisoi Weller Tigiographical (M) A A TE TE TE CONTRACTOR OF THE A A STATE OF THE PROPERTY OF T SE MWI40F FIELD SAMPLE NO. Lio/2016 and vecessively S multol NO. OF COOLERS ate Sampled Schenke A 23-2 SITE ID SHIPPING AIRBILL NO. 172679858 Field Sampling Remarks: Net c Vell NELL CGW NELL Sampled By (PRINT): Keith Sampler Signature - CN CON MOU CGN

WHITE: PACE FILE) - YELLOW: PRIME CONTRACTOR PROJECT MANAGER OPINK: PACE PROJECT MANAGER GOLD; RETAIN HELD : SEE REVERSE SIDE FOR INSTRUCTIONS

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THE ASSURANCE OF QUALITY

MB Installation

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Sampler Signature

Sampled By (PRINT):

Sample Program

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Prime Contractor

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request U=101373

Pace Project Manager V+ UV Pace Client No.

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USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request LABORATORY REMARKS Pace Project Manager ZM 8030 B Pace Project No. Pace Client No. EXPLOSIVES H₂0 **PLOT** KAO¢ 1214 -HERB GC/ECD BNA GC/MS 90W7 LPOT - YOA GC/PID LG03 : VOA GC/HALL-LMOS TVOA GG7MS ڧ Q. (IC) P.O.# /Billing,Reference <u>oon) National in this in the light of Custody (COC)</u> PRESERVATIVES Report To: HCI HNO3 (D) H²20°O UNPREBERVED. еязијјутиоо оо Check PACE Client No. noite elles eler NEW SON UNIT Shipe of the syld of shipe times the FIELD SAMPLE NO. BET Janensky tooloyd WREVAICED ROH Schenkel ٠., SITEID MB ح لا Sampled By (PRINT): Keith SITE TYPE Sampler Signature Prime Contractor Bart Sample Program Installation 300

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CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
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Pace Client No.

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Report To:

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Pace Client No.

USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request

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CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

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CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request LABORATORY REMARKS Pace Project Manager Pace Project No. Pace Client No. EXPLOSIVES SOIL EXPLOSIVES Had TCLP SW1311 CAVAIDE KA04 rcos **AAIT SJATƏM** MERCURY CVAA × -908r METALS ICP \$15C HEBB GC/ECD СН20 OCP GC/ECD 61 HT ×× SM/DD ANB VOA GC/PID 1041 VOA GC/HALL ree3 TF15 ORTHO PO. LMGE-3 VOA GC/MS × JO9 OHTRO TOTAL PO 1171 ANIONS-IC TIIS 1.814 HGT X CAVAIDE TY03 316 METALS GFAA 80QS MERCURY CVAA METALS ICP SISS HEBB GC/ECD UHSI P.O. # / Billing Reference BNA GC/MS 90WN VOA GC/PID roqu VOA GC/HALL **LG03** OMOS PRESERVATIVES HOPN Report To: HCI Bill To: HNO3 POSZH UNPRESERVED NO. OF CONTAINERS ANDS-5 OPBHOSOCISION OF PROPERTY AND SOCIAL SOLD SOLD PROPERTY OF SOCIAL Strong Charles or It of i ofortige PACE NO. FIELD SAMPLE NO. MTRX SAMPLE SYPL نی 3/1/45 Ñ N AOS Solles Solles A COST 1 08 WOOD S A08-7 0813107,45 A 08 2 7 18 8 8 H C 7 05 S ACB-8 OF 1108 5 5 CBEH 0765 Date Sampled alluldo moge A08-7 SITE ID CSO | BORE | 108-5 S S 万 人 からた BORE **LORC** NSKEP Popr | 1383 N OS 7 上でがし SITE Sampled By (PRINT) Sampler Signature Prime Contractor Sample Program CS0 8 Installation CSO 050 050

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CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

Pace Client No.

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
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CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

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NO. OF COOLERS SHIPPING AIRBILL NO.

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U- 01126

USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request THME LABORATORY REMARKS DATE Pace Project Manager ACCEPTED BY / AFFILIATION Pace Project No. Pace Client No. EXPLOSIVES SOIL EXPLOSIVES Had SWISII TCLP CAVIIDE KA04 AAIR SJATBM rcos MERCURY CVAA .908r METALS ICP 1214 OSHJ OSHJ HERB GC/ECD OCP GC/ECD BNA GC/MS 90W7 VOA GC/PID 1001 VOA GC/HALL FC03 TIME VOA GC/MS CMOS ORTHO PO. 217T TOTAL PO. HYT ANIONS-IC SITT DATE 1.814 HdI CAVIIDE TYO3 METALS GFAA 800S MERCURY CVAA **208**S RELINQUISHED BY / AFFILIATION METALS ICP SISS HERB GC/ECD NHSS OCP GC/ECD UHS1 P.O. # / Billing Reference VOA GC/PID BNA GC/MS 90WN rogu YOA GC/HALL NG03 VOA GC/MS OMO PRESERVATIVES HOEN Report To: HCI Bill To: FONH [₹]OS²H UNPRESERVED CONT NO. OF CONTAINERS N or the entire Signal S 3-2-5 NO. OF COC IN SHIPMENT 12 -: Strontikk tradition of helinor 3 FIELD SAMPLE NO. Ary mirror 1702 TB329 TAKER NO. OF COOLERS SITE ID <u>C</u> SHIPPING AIRBILL NO. 1726718653 Field Sampling Remarks: CAN FAR Sampled By (PRINT): Sampler Signature Prime Contractor Sample Program Installation

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

U- 01129

LABORATORY REMARKS Pace Project Manager Pace Project No. Pace Client No. EXPLOSIVES SOIL EXPLOSIVES H20 SWISII **UOT** CYANIDE K 704 × **AAIR SJATBM** COS × MERCURY CVAA 1806 × **METALS ICP** PISC × HERB GC/ECD CHSO OCP GC/ECD 61HJ $\overline{\mathsf{x}}$ LM86-YBNA GC/MS VOA GC/PID 1007 VOA GC/HALL reo3 TWOSE JAON GC/MS × ₄O9 OHTRO さいコエ JATOT TYYT ANIONS-IC TT12 1.814 HqT ¥ CAPAIDE **E0YT** METALS GFAA 800S Z08S MERCURY CVAA METALS ICP SISS HERB GC/ECD UHSS OCP GC/ECD UHS1 P.O. # / Billing Reference 90WN BNA GC/MS VOA GC/PID rogu VOA GC/HALL **NG03** VOA GC/MS NMOS PRESERVATIVES HOBN Report To: HCI X Bill To: HNO *OS²H × UNPRESERVED 3 NO. OF CONTAINERS (عجزته فللا با i Martie Charlette FIELD SAMPLE NO. MTRX DEPTH TECH PACE NO. EV) ٧h 1 S <u>\$</u> V S - 30 19 MW4102 5 S \mathcal{O} F63395W T83395 Ferrolitation (1) MIUSO CENTURY OF THE MINER OF THE CONTRACT OF 14 MWHIOZ MMMICZ To go of the party 記述が変え FBX WIND MWH (ADY Q 1 hours 15011A 💨 SITE ID 11:1 Page 1 TRIP | いいい PICEL SITE BREL Sampled By (PRINT Sampler Signature Prime Contractor Sample Program Installation

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NO. OF COOLERS

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U- 01130

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request LABORATORY REMARKS Pace Project Manager Pace Project No. Pace Client No. EXPLOSIVES SOIL EXPLOSIVES Ha TCLP SW1311 CYANIDE K 404 **METALS FIAA** rcos MERCURY CVAA 908r HERB GC/ECD \$1S1 OCP GC/ECD BNA GC/MS 61 HJ 90W7 VOA GC/PID 1001 VOA GC/HALL **FC03** NOV GC/WS CMOS LO9 OHTRO Z1 HI TOTAL PO HAT ANIONS-IC 1112 1.814 HdI CAVIDE **EOYT** METALS GFAA 80QS MERCURY CVAA **208S** METALS ICP 2122 UH22 OCP GC/ECD P.O. # / Billing Reference VOA GC/PID 90WN เดนก VOA GC/HALL กеоз PRESERVATIVES HOPN Report To: HCI Bill To: HNO3 H^S2O UNPRESERVED ио. ОF СОИТЛИЕРЗ O HAG STATE Chechile The state PACE NO. FIELD SAMPLE NO. MTRX SAMPLE SYPL Ē KATHY JANICH Line C THE CORP. MAHIN .ijullue/ij SITE ID MINICA 10 G Sampled By (PRINT Sampler Signature Prime Contractor Sample Program 610 Installation

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Report To: Bill To:

Pace Project Manager

Pace Client No.

Pace Project No

USATHAMA CHAIN-OF-CUSTODY RECORD (COC) Analytical Request

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Field Sampling Remarks:

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

TIME LABORATORY REMARKS Pace Project Manager ACCEPTED BY / AFFILIATION Pace Project No. Pace Client No. EXPLOSIVES SO EXPLOSIVES HE TCLP CYANIDE KA04 1005 AAP BJATBM MERCURY CVAA 9081 METALS ICP 1214 HERB GC/ECD OCP GC/ECD BNA GC/MS 90W7 VOA GC/PID 1001 VOA GC/HALL E097 VOA GC/MS CMOS ORTHO PO. St 4T TOTAL PO. III ANIONS-IC DATE 1.814 HdT 1703 CAYMIDE METALS GFAA 800S RELINQUISHED BY / AFFILIATION SB07 MERCURY CVAA X METALS ICP SISS HERB GC/ECD NHSS OCP GC/ECD UHS1 P.O. # / Billing Reference BNA GC/MS 90WN VOA GC/PID VOA GC/HALL NOV GC/MS PRESERVATIVES HOEN Report To: HCI Bill To: HNO3 *OSZH CAPRESERVED CONT 17 NO. OF CONTAINERS GEW FECT VATTE EXTENSION DESCRIPTION INDIVIDENCE OUT OF HOWER IN DOMINION OF HELDER Dot oldring CHASSIE FIELD SAMPLE NO. MTRX DEPTH TECH PACE NO. NO. OF COC IN SHIPMENT 56-61-4 is, 13 CGW TRIP VANSTATA HELFTERM 3 JANICA 11.5 mg NO. OF COOLERS Oh-MW SITE ID SHIPPING AIRBILL NO. DEM DEA Sampled By (PRINT) Sampler Signature Prime Contractor Sample Program Installation CGW SPE SPE (A)

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D- 01142

USATHAMA CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request LABORATORY REMARKS × × × Pace Project Manager Ŕ Pace Client No. EXPLOSIVES SOIL Pace Project EXPLOSIVES Had SWISII CAVIDE K 104 METALS FIAA COS MERCURY CVAA -908r METALS ICP \$1.SC HERB GC/ECD OCP GC/ECD 61НП BNA GC/MS 90W1 VOA GC/PID rogi VOA GC/HALL VOA GC/MS CMOS ORTHO PO. टा ना HH ANIONS-IC 1112 1.814 CAVAIDE **EOYT** METALS GFAA 80QS MERCURY CVAA **7088** METALS ICP 2122 HERB GC/ECD NHSS OCP GC/ECD UHSI P.O. # / Billing Reference BNA GC/MS 90WN VOA GC/PID rogu UG03 VOA GC/HALL VOA GC/MS PRESERVATIVES NgOH Report To: HCI Bill To: FONH *OSZH × UNPRESERVED NO. OF CONTAINERS ि है। जिस्साई बता है THE LANGE Chicking FIELD SAMPLE NO. MTRX SEATH TECH STITUTE OF THE STA 1000 Moo 0 1 1 2 3 3 3 3 3 00 0 CSMW3701 comments lendoit 194, 101 401240 ANTAHITARIJI orli Date Sampled A Company CGW|1/ELL | MW-37 MW-38 SITE ID の円 LATHY Sampled By (PRINT): SITE Sampler Signature Prime Contractor Sample Program Installation

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INCORPORATED THE ASSUBANCE OF QUALITY

Report To: Bill To:

P.O. # / Billing Reference

Pace Project Manager

Pace Client No.

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

Pace Project No

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Prime Contractor Sample Program

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Sampler Signature

P.O. # / Billing Reference

Report To:

Bill To:

PRESERVATIVES

Pace Client No.

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

U- 01144

Pace Project Manager

Pace Project No.

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Field Sampling Remarks

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U- 01139

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

TIMIL LABORATORY REMARKS 7 2107 _ DATE ACCEPTED BY / AFFILIATION Pace Project Manager Pace Client No. EXPLOSIVES SOIL SEE REVERSE SIDE FOR INSTRUCTIONS Pace Project EXPLOSIVES HEO SWISII പാர CAVIDE K 1,04 ncos AAIR SJATEM MERCURY CVAA 1806 METALS ICP 1214 HERB GC/ECD ПН20 OCP GC/ECD бы⊓ BNA GC/MS 90W7 VOA GC/PID 109J VOA GC/HALL геез .: TIME VOA GC/MS SOMI -. ORTHO POA 21 FT JOT JATOT HH ANIONS-IC SITT DATE EOYT HGT 1.814 `. CAYNIDE METALS GFAA 800S TOTAL RELINQUISHED BY / AFFILIATION METALS ICP 208S SEIS HERB GC/ECD CHSS NHS1 OCS GC/ECD P.O. # / Billing Reference VOA GC/PID 109U UG03 VOA GC/HALL VOA GC/MS PRESERVATIVES Report To: HCI HNO³ Bill To: *OSZH UNPRESERVED NO. OF CONTAINERS of the charter salt of ć, Sail a la Situate September 1 NO. OF COC IN SHIPMENT ンベージーケ S Ī. भी हर नेव्यंत्र क्षेत्र ह 1 Securitible of FIELD SAMPLE NO. 58\$3 74 SS NO. OF COOLERS A ASSATING A String A 355-4 SITE ID SHIPPING AIRBILL NO. Field Sampling Remarks: - CAR Sampled By (PRINT): Sampler Signature Prime Contractor Sample Program Installation **CSO** CSO



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TIME USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request LABORATORY REMARKS DATE 7017 707 Z ZOAI () 47 ZI OCICCIAZ ZI ACCEPTED BY / AFFILIATION Pace Project Manager 4 Pace Project No EXPLOSIVES SOIL Pace Client No. EXPLOSIVES HãO SW1311 TCLP CAVIIDE KA04 **AAPI SJATBM** ncos MERCURY CVAA 9081 **401 SJATEM** 71214 гнѕо HERB GC/ECD OCP GC/ECD 6tHJ BNA GC/MS 90W7 VOA GC/PID 1041 VOA GC/HALL reo3 TIME VOA GC/MS CMOS ORTHO PO 21 TT LOS JATOT IIVI DATE ANIONS-IC 1112 1.814 HqT TYO3 CYANIDE METALS GFAA 800S RELINQUISHED BY / AFFILIATION MERCURY CVA 208S SLSS METALS ICP UHSS HERB GC/ECD OCP GC/ECD UHSI × P.O. # / Billing Reference BNA GC/MS 90MU VOA GC/PID 109U VOA GC/HALL **DE03** VOA GC/MS PRESERVATIVES HOPN Report To: HCI X \simeq Bill To: FONH *OS²H UNPRESERVED <u>e</u>_ 3 N 3 NO. OF CONTAINERS WELL MW-36 CBMW260 World Hold Blanch **Chapter** FIELD SAMPLE NO. MTRY SEMPLE SYPL PACE NO. The about NO. OF COC IN SHIPMENT 26-31-1-22 8 8 اِخْرَا 1 WELL MIU36 OBMUZICI W 1884-18-75W 6.6-4-18-95 W 18-4-18 95 W Mary Server NO. OF COOLERS Date Sampled Parameter A 10ELL MW-36 SITE ID HA NEREL SHIPPING AIRBILL NO. Field Sampling Remarks: Sampled By (PRINT Sampler Signature Sample Program Prime Contractor | *あ*り) しらり Installation

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CHAIN-OF-CUSTODY RECORD (COC) Analytical Request Pace Project Manager Pace Project No. Pace Client No. He_ 1 h = 2 0h = 2 Lue = P.O. # / Billing Reference PRESERVATIVES Report To: HOBN нсі Bill To: PUOP 'OS'H UNPRESERVED NO. OF CONTAINERS (10 MTRX SAMPLE SMPL PACE NO. 4-20-95 W 6.0 B FIELD SAMPLE NO. OSMW3501 TANICA Date Sampled hall skale skil CENTILL MW-35 SITE ID 11111 11) Sampled By (PRINT) SITE Sampler Signature Prime Contractor Sample Program installation

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Sample Program Prime Contractor

Sampler Signature

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PRESERVATIVES

P.O. # / Billing Reference

Report To:

Bill To:

Pace Client No.

U- 01032

USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

Pace Project Manager

Pace Project No.

EXPLOSIVES Had TCLP SW1311 CYANIDE

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NO. OF COOLERS SHIPPING AIRBILL NO.

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USATHAMA
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

TIME LABORATORY REMARKS 1 DATE <u>X</u> X ACCEPTED BY / AFFILIATION Pace Project Manager Pace Project No. EXPLOSIVES SOIL Pace Client No. Ш SWISII 9JOT KA04 1C05 CAYNIDE **AAIR SJATEM** MERCURY CVAA 9081 **METALS ICP** 1214 HERB GC/ECD гнѕо OCP GC/ECD erHJ BNA GC/MS 90M1 VOA GC/PID म्य (S)/1 VOA GC/HALL เลออา TIME VOA GC/MS SOMJ ZI FI LO9 OHTRO -**TOTAL PO** TY11 DATE 14:24 ANIONS-IC SITT 1.814 HqT > CAYNIDE TY03 METALS GFAA 80QS TOTAL RELINQUISHED BY / AFFILIATION MERCURY CVAA **408**S METALS ICP SISS HERB GC/ECD NHSS OCP GC/ECD UHS P.O. # / Billing Reference BNA GC/MS 90WN YOA GC/PID VOA GC/PID 1090 กตอส NOA GC/MS COMOS PRESERVATIVES HOBN Report To: HCI Bill To: HNO3 *OS²H UNPRESERVED × ~ 1 NO. OF CONTAINERS 17 ĺζ N 19 20 21 19 1 ाठा नेजी। अस्ताहर Philipparh. ADEAS OF STREET 4-47-93 NO. OF COC IN SHIPMENT SAMPLE SYPL DEPTH TECH **.**: <u>.</u> reserrated frequentials and FIELD SAMPLE NO. 75 MW3252 Francisco May . L'hormin Date Sampled NO. OF COOLERS THE INDIVIDUAL É MW-32S EJR 1 MW-31 SITE ID ア 山 K ATH V Ke Any. 1726798426 SHIPPING AIRBILL NO. Field Sampling Remarks: CSWINELL Sample Program
Sampled By (PRINT): Sampler Signature Prime Contractor Installation

Installation

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Prime Contractor

Sampled By (PRINT)

Sample Program

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KATHY JANICA Date Sampled

Sampler Signature

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P.O. # / Billing Reference

Report To:

Bill To:

PRESERVATIVES

USAEC
CHAIN-OF-CUSTODY RECORD (COC)
Analytical Request

U- 00027

Pace Client No.

Pace Project Manager

Pace Project No.

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THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD (COC) Pace Project Manager Analytical Request Pace Project No. Pace Client No. P.O. # / Billing Reference PRESERVATIVES Report To: Bill To: KATHY TRIVICA Date Sampled (X) R Sampled By (PRINT Prime Contractor Sample Program Installation

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FIELD SAMPLE NO. MTRX DEPTH TECH PACE NO.

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NO. OF COC IN SHIPMENT

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Field Sampling Remarks:

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THE ASSURANCE OF QUALITY Prime Confractor Installation

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Sample Program

Report To: Bill To: P.O. # / Billing Reference

CHAIN-OF-CUSTODY RECORD (COC) Analytical Request

U- 00029

Pace Client No.

Pace Project Manager

Pace Project No.

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Report To:

CHAIN-OF-CUSTODY RECORD (COC) Analytical Request

Pace Project Manager

Pace Client No.

Pace Project No.

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APPENDIX G-1

ANALYTICAL METHODS AND CRLS

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLs FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
JS14	METALS/SOIL/ICP	Aluminum	so	μg/g	10.7
	METALS/SOIL/ICP	Barium	so	μg/g	5.42
	METALS/SOIL/ICP	Beryllium	so	μg/g	0.25
	METALS/SOIL/ICP	Calcium	so	μg/g	118
	METALS/SOIL/ICP	Cadmium	so	µg/g	1.0
	METALS/SOIL/ICP	Cobalt	so	μg/g	2.5
	METALS/SOIL/ICP	Chromium	so	μg/g	1.0
	METALS/SOIL/ICP	Copper	so	µg/g	3.77
	METALS/SOIL/ICP	Iron	so	µg/g	12.0
	METALS/SOIL/ICP	Potassium	so	µg/g	142.0
	METALS/SOIL/ICP	Magnesium	so	µg/g	138.0
	. METALS/SOIL/ICP	Manganese	so	µg/g	0.5
	METALS/SOIL/ICP	Molybdenum	so	µg/g	4.0
	METALS/SOIL/ICP	Sodium	so	µg/g	50.0
	METALS/SOIL/ICP	Nickel	so	µg/g	7.5
	METALS/SOIL/ICP	Lead	so	µg/g	10.0
Ţ	METALS/SOIL/ICP	Antimony	so	µg/g	82.9
	METALS/SOIL/ICP	Selenium	so	µg/g	18.8
	METALS/SOIL/ICP	Thallium	so	µg/g	12.5
	METALS/SOIL/ICP	Vanadium	so	µg/g	2.0
ſ	METALS/SOIL/ICP	Zinc	so	<i>µ</i> g/g	4.0
	METALS/SOIL/ICP	Arsenic	so	μg/g	12.7
LH19	ORGANIC/SOIL/ECD	∝-Benzene Hexachloride	so	μg/g	0.0225
	ORGANIC/SOIL/ECD	∝-Chlordane	so	µg/g	0.0040
	ORGANIC/SOIL/ECD	Endosulfan I	so	µg/g	0.0047
	ORGANIC/SOIL/ECD	Aldrin	so	µg/g	0.0130
Ţ	ORGANIC/SOIL/ECD	β-Benzenehexachloride	so	µg/g	0.0054
Ī	ORGANIC/SOIL/ECD	Endosulfan II	so	μg/g	0.0071
	ORGANIC/SOIL/ECD	Decachlorobiphenyl	so	μg/g	0.0069
;	ORGANIC/SOIL/ECD	2,4,5,6-Tetrachlorometaxylene	so	μg/g	0.0071

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
LH19	ORGANIC/SOIL/ECD	△-Benzenehexachloride	so	µg/g	0.0228
(Cont.)	ORGANIC/SOIL/ECD	Dieldrin	so	µg/g	0.0078
	ORGANIC/SOIL/ECD	Endrin	so	μg/g	0.0111
	ORGANIC/SOIL/ECD	Endrin Aldehyde	so	μg/g	0.0276
	ORGANIC/SOIL/ECD	Endrin Ketone	so	μg/g	0.0061
	ORGANIC/SOIL/ECD	Endosulfan Sulfate	so	μg/g	0.0130
	ORGANIC/SOIL/ECD	V-Chlordane	so	μg/g	0.0214
	ORGANIC/SOIL/ECD	Heptachlor	so	μg/g	0.0096
	ORGANIC/SOIL/ECD	Heptachlor Epoxide	so	μg/g	0.0039
	ORGANIC/SOIL/ECD	Lindane	so	μg/g	0.0200
	ORGANIC/SOIL/ECD	Methoxychlor	so	μg/g	0.211
	ORGANIC/SOIL/ECD	ppDDD	so	μg/g	0.0112
	ORGANIC/SOIL/ECD	2,2-Bis(p-chlorophenyl)-1,1- dichloroethene	so	μg/g	0.0142
	ORGANIC/SOIL/ECD	2,2-Bis(p-chlorophenyl)-1,1,1- trichloroethane	so	µg/g	0.0096
	ORGANIC/SOIL/ECD	Toxaphene	so	μg/g	0.250
	ORGANIC/SOIL/ECD	PCB-1016	so	μg/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1221	so	<i>μ</i> g/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1232	so	μg/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1242	so	μg/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1248	so	µg/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1254	so	µg/g	0.0500
	ORGANIC/SOIL/ECD	PCB-1260	so	μg/g	0.0500
ГМ30	SEMIVOLATILES/SOIL/GCMS	1,2,4-Trichlorobenzene	so	μg/g	0.29
	SEMIVOLATILES/SOIL/GCMS	1,2-Dichlorobenzene	so	μg/g	0.32
	SEMIVOLATILES/SOIL/GCMS	1,3-Dichlorobenzene	so	μg/g	0.58
	SEMIVOLATILES/SOIL/GCMS	1,4-Dichlorobenzene	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	2,4,5-Trichlorophenol	so	μg/g	0,24
	SEMIVOLATILES/SOIL/GCMS	2,4,6-Tribromophenol	so	µg/g	0.35
	SEMIVOLATILES/SOIL/GCMS	2,4,6-Trichlorophenol	so	μg/g	0.29

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR SOIL

Method					CD:
Number	Method Name	Test Name	Matrix	Units	CRL
FW30	SEMIVOLATILES/SOIL/GCMS	2,4-Dichlorophenol	so	μg/g	0.28
(Cont.)	SEMIVOLATILES/SOIL/GCMS	2,4-Dimethylphenol	so	µg/g	0.34
	SEMIVOLATILES/SOIL/GCMS	2,4-Dinitrotoluene	so	μg/g	0.31
	SEMIVOLATILES/SOIL/GCMS	2,6-Dinitrotoluene	so	μg/g	0.20
	SEMIVOLATILES/SOIL/GCMS	2-Chlorophenol	so	µg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	2-Chloronaphthalene	so	μg/g	0.33
	SEMIVOLATILES/SOIL/GCMS	2-Fluorobiphenyl	so	µg/g	0.18
	SEMIVOLATILES/SOIL/GCMS	2-Fluorophenol	so	<i>µ</i> g/g	0.35
	SEMIVOLATILES/SOIL/GCMS	2-Methylnaphthalene	so	µg/g	0.14
	SEMIVOLATILES/SOIL/GCMS	2-Cresol	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	2-Nitroaniline	so	µg/g	0.36
	SEMIVOLATILES/SOIL/GCMS	2-Nitrophenol	so	µg/g	0.26
	SEMIVOLATILES/SOIL/GCMS	2-Methyl-4,6-dinitrophenol	so	µg/g	0.84
	SEMIVOLATILES/SOIL/GCMS	4-Bromophenyl phenyl ether	so	µg/g	0.13
	SEMIVOLATILES/SOIL/GCMS	3-Methyl-4-chlorophenol	so	µg/g	0.23
	SEMIVOLATILES/SOIL/GCMS	4-Chlorophenyl phenyl ether	so	μg/g	0.20
	SEMIVOLATILES/SOIL/GCMS	4-Cresol	so	µg/g	0.18
	SEMIVOLATILES/SOIL/GCMS	4-Nitrophenol	so	µg/g	2.4
	SEMIVOLATILES/SOIL/GCMS	Acenaphthene	so	µg/g	0.27
	SEMIVOLATILES/SOIL/GCMS	Acenaphthylene	so	µg/g	0.27
	SEMIVOLATILES/SOIL/GCMS	Anthracene	so	µg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Bis(2-chloroethyoxy)methane	so	µg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Bis(2-chloroisopropyl)ether	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Bis(2-chloroethyl)ether	so	µg/g	1.6
	SEMIVOLATILES/SOIL/GCMS	Bis(2-ethylhexyl)phthalate	so	µg/g	0.19
	SEMIVOLATILES/SOIL/GCMS	Benzo[a]anthracene	·so	µg/g	0.12
	SEMIVOLATILES/SOIL/GCMS	Benzo[a]pyrene	so	µg/g	0.24

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
LM30	SEMIVOLATILES/SOIL/GCMS	Benzo[b]fluoranthene	so	μg/g	0.73
(Cont.)	SEMIVOLATILES/SOIL/GCMS	Butlybenzyl Phthalate	so	μg/g	0.20
	SEMIVOLATILES/SOIL/GCMS	Benzoic Acid	so	μg/g	0.92
	SEMIVOLATILES/SOIL/GCMS	Benzo(g,h,i)perylene	so	μg/g	0.25
	SEMIVOLATILES/SOIL/GCMS	Benzo[k]fluoranthene	so	μg/g	0.40
	SEMIVOLATILES/SOIL/GCMS	Benzyl Alcohol	so	μg/g	0.17
Γ	SEMIVOLATILES/SOIL/GCMS	Chrysene	so	μg/g	0.26
	SEMIVOLATILES/SOIL/GCMS	Hexachlorobenzene	so	μg/g	0.26
	SEMIVOLATILES/SOIL/GCMS	Hexachlorocyclopentadiene	so	μg/g	1.8
	SEMIVOLATILES/SOIL/GCMS	Hexachloroethane	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Dibenz[a,h]anthracene	so	μg/g	0.27
	SEMIVOLATILES/SOIL/GCMS	Dibenzofuran	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Diethyl Phthalate	so	μg/g	0.3
	SEMIVOLATILES/SOIL/GCMS	Dimethyl Phthalate	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Di-n-butyl Phthalate	so	μg/g	0.52
	SEMIVOLATILES/SOIL/GCMS	Di-n-octyl Phthalate	so	μg/g	0.22
	SEMIVOLATILES/SOIL/GCMS	Fluoranthene	so	μg/g	0.60
	SEMIVOLATILES/SOIL/GCMS	Fluorene	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Hexachlorobutadiene	so	μg/g	0.28
	SEMIVOLATILES/SOIL/GCMS	Indeno[1,2,3-c,d]pyrene	so	μg/g	0.15
	SEMIVOLATILES/SOIL/GCMS	Isophorone	so	μg/g	0.32
	SEMIVOLATILES/SOIL/GCMS	Naphthalene	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Nitrobenzene	so	μg/g	0.19
	SEMIVOLATILES/SOIL/GCMS	Nitrobenzene-d5	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	N-nitrosodi-n-proplamine	so	μg/g	1.1
	SEMIVOLATILES/SOIL/GCMS	N-nitrosodiphenylamine	so	μg/g	0.13
	SEMIVOLATILES/SOIL/GCMS	Pentachlorophenol	so	μg/g	0.48
	SEMIVOLATILES/SOIL/GCMS	Phenanthrene	so	μg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Phenol-d5	so	µg/g	0.17
	SEMIVOLATILES/SOIL/GCMS	Phenol	so	μg/g	0.1.

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLs FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
LM30	SEMIVOLATILES/SOIL/GCMS	Pyrene	so	μg/g	0.97
(Cont.)	SEMIVOLATILES/SOIL/GCMS	Terphenyl-d14	so	μg/g	0.74
LM33	VOLATILES/SOIL/GCMS	1,1,1-Trichloroethane	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	1,1,2-Trichloroethane	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	1,1-Dichloroethene	so	μg/g	0.032
	VOLATILES/SOIL/GCMS	1,1-Dichloroethane	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	1,2-Dichloroethane-d4	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	1,2-Dichloroethane	so	μg/g	0.0027
	VOLATILES/SOIL/GCMS	1,2-Dichloropropane	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	4-Bromofluorobenzene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Acetone	so	μg/g	0.044
	VOLATILES/SOIL/GCMS	Bromodichloromethane	so.	μg/g	0.0025
.}	VOLATILES/SOIL/GCMS	cis-1,2-Dichloroethene	so	μg/g	0.0025
Γ	VOLATILES/SOIL/GCMS	cis-1,3-Dichloropropene	so	µg/g	0.0030
	VOLATILES/SOIL/GCMS	Chloroethene	so	μg/g	0.0038
	VOLATILES/SOIL/GCMS	Chloroethane	so	μg/g	0.0029
	VOLATILES/SOIL/GCMS	Benzene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Carbon Tetrachloride	so	μg/g	0.0031
	VOLATILES/SOIL/GCMS	Methylene Chloride	so	μg/g	0.00616
	VOLATILES/SOIL/GCMS	Bromomethane	\$O	μg/g	0.0031
Γ	VOLATILES/SOIL/GCMS	Chloromethane	so	<i>μ</i> g/g	0.035
	VOLATILES/SOIL/GCMS	Bromoform	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Chloroform	so	μg/g	0.00265
	VOLATILES/SOIL/GCMS	Chlorobenzene .	so	<i>μ</i> g/g	0.0025
	VOLATILES/SOIL/GCMS	Carbon Disulfide	so	μg/g	0.014
	VOLATILES/SOIL/GCMS	Dibromochloromethane	so	μg/g	0.057
	VOLATILES/SOIL/GCMS	Ethylbenzene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Toluene-d8	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Toluene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Methyl Ethyl Ketone	so	μg/g	0.0025

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
LM33	VOLATILES/SOIL/GCMS	Methyl Isobutyl Ketone	so	μg/g	0.0186
(Cont.)	VOLATILES/SOIL/GCMS	2-Hexanone	so	μg/g	0.018
	VOLATILES/SOIL/GCMS	Styrene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	trans-1,2-Dichloroethene	so	µg/g	0.0025
	VOLATILES/SOIL/GCMS	trans-1,3-Dichloropropene	so	μg/g	0.002
	VOLATILES/SOIL/GCMS	Tetrachioroethane	so	μg/g	0.011
	VOLATILES/SOIL/GCMS	Tetrachloroethene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Trichloroethene	so	μg/g	0.0025
	VOLATILES/SOIL/GCMS	Xylene, Total Combined	so	μg/g	0.0075
SW7421		Lead	so	μg/g	0.7
SW8020	AROMATIC VOLATILES	Benzene	so	μg/g	0.0042
	AROMATIC VOLATILES	Toluene	so	μg/g	0.0039
	AROMATIC VOLATILES	Ethylbenzene	so	μg/g	0.003٤
	AROMATIC VOLATILES	Total Xylenes	so	μg/g	0.0037
SW8290	DIOXINS/FURANS	2,3,7,8-TCDD	so	ng/kg	1.0
	DIOXINS/FURANS	1,2,3,7,8-Penta-CDD	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,4,7,8-Hexa-CDD	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,6,7,8-Hexa-CDD	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,7,8,9-Hexa-CDD	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,4,6,7,8-Hepta-CDD	so	ng/kg	2.5
Ĺ	DIOXINS/FURANS	Octa-CDD	so	ng/kg	2.5
	DIOXINS/FURANS	2,3,7,8-TCDF	so	ng/kg	1.0
	DIOXINS/FURANS	1,2,3,7,8-Penta-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	2,3,4,7,8-Penta-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,4,7,8-Hexa-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,6,7,8-Hexa-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	2,3,4,6,7,8-Hexa-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	1,2,3,7,8,9-Hexa-CDF	so	ng/kg	2.5

TABLE G-1 PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR SOIL

Method Number	Method Name	Test Name	Matrix	Units	CRL
SW8290	DIOXINS/FURANS	1,2,3,4,6,7,8-Hepta-CDF	so	ng/kg	2.5
(Cont.)	DIOXINS/FURANS	1,2,3,4,7,8,9-Hepta-CDF	so	ng/kg	2.5
	DIOXINS/FURANS	Octa-CDF	so	ng/kg	5.0
	DIOXINS/FURANS	Total MonoCDD (2 isomers)	so	ng/kg	5.0
-	DIOXINS/FURANS	Total DICDD (10 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total TriCDD (14 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total TetraCDD (22 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total PeCDD (14 isomers)	so	ng/kg	5.0
Ī	DIOXINS/FURANS	Total HxCDD (10 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total HpCDD (2 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total MonoCDF (4 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total DiCDF (16 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total TriCDF (28 isomers)	so	ng/kg	5.0
ļ-	DIOXINS/FURANS	Total TetraCDF (38 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total PeCDF (28 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total HxCDF (16 isomers)	so	ng/kg	5.0
	DIOXINS/FURANS	Total HpCDF (4 isomers)	so	ng/kg	5.0

Key: CRL = Certified Reporting Limits
ICP = Inductively Coupled Plamsa
ECD = Electron Capture Detector

GC/MS = Gas Chromatograph/Mass Spectrometry

 μ g/g = Micrograms per gram

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLs FOR GROUNDWATER

Method Number	Method Name	Test Name	Matrix	Units	CRL
UH21	ORGANIC/WATER/ECD	∝-Benzene Hexachloride	WA	μg/L	0.0434
	ORGANIC/WATER/ECD	∝-Chlordane	WA	μg/L	0.0202
	ORGANIC/WATER/ECD	Endosulfan I	WA	μg/L	0.00856
	ORGANIC/WATER/ECD	Aldrin	WA	µg/L	0.0638
	ORGANIC/WATER/ECD	β-Benzenehexachloride	WA	μg/L	0.0109
	ORGANIC/WATER/ECD	Endosulfan II	WA	μg/L	0.0120
ĺ	ORGANIC/WATER/ECD	Decachlorobiphenyl	WA	μg/L	0.0140
	ORGANIC/WATER/ECD	2,4,5,6-Tetrachlorometaxylene	WA	μg/L	0.0767
	ORGANIC/WATER/ECD	△-Benzenehexachloride	WA	μg/L	0.0488
	ORGANIC/WATER/ECD	Dieldrin	WA	μg/L	0.0321
	ORGANIC/WATER/ECD	Endrin	WA	μg/L	0.0372
	ORGANIC/WATER/ECD	Endrin Aldehyde	WA	μg/L	0.069,
	ORGANIC/WATER/ECD	Endrin Ketone	WA	μg/L	0.0282
	ORGANIC/WATER/ECD	Endosulfan Sulfate	WA	μg/L	0.0200
	ORGANIC/WATER/ECD	V-Chlordane	WA	μg/L	0.0450
	ORGANIC/WATER/ECD	Heptachlor	WA	μg/L	0.0631
	ORGANIC/WATER/ECD	Heptachlor Epoxide	WA	μg/L	0.006
<u> </u>	ORGANIC/WATER/ECD	Lindane	WA	μg/L	0.0429
	ORGANIC/WATER/ECD	Methoxychlor	WA	μg/L	0.267
	ORGANIC/WATER/ECD	ppDDD	WA	μg/L	0.0848
	ORGANIC/WATER/ECD	2,2-Bis(p-chlorophenyl)-1,1- dichloroethene	WA	μg/L	0.0946
	ORGANIC/WATER/ECD	2,2-Bis(p-chlorophenyl)-1,1,1- trichloroethane	WA	μg/L	0.0316
	ORGANIC/WATER/ECD	Toxaphene	WA	μg/L	0.6
	ORGANIC/WATER/ECD	PCB-1016	WA	μg/L	0.859
	ORGANIC/WATER/ECD	PCB-1221	WA	μg/L	0.200
	ORGANIC/WATER/ECD	PCB-1232	WA	μg/L	0.100
	ORGANIC/WATER/ECD	PCB-1242	WA	μg/L	0.100

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLs FOR GROUNDWATER

Method Number	Method Name	Test Name	Matrix	Units	CRL
UH21	ORGANIC/WATER/ECD	PCB-1248	WA	μg/L	0.100
(Cont.)	ORGANIC/WATER/ECD	PCB-1254	WA	μg/L	0.100
	ORGANIC/WATER/ECD	PCB-1260	WA	μg/L	0.137
UM06	SEMIVOLATILES/WATER/GCMS	Phenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Bis(2-chloroethyl)ether	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2-Chlorophenol	WA	μg/L_	10
	SEMIVOLATILES/WATER/GCMS	1,3-Dichlorobenzene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	1,4-Dichlorobenzene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzyl Alcohol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	1,2-Dichlorobenzene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2-Methylphenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Bis(2-chloroisopropyl)ether	WA	μg/L	10
: 	SEMIVOLATILES/WATER/GCMS	4-Methylphenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	N-Nitroso-di-n-propylamine	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Hexachloroethane	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Nitrobenzene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Isophorone	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2-Nitrophenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2,4-Dimethylphenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzoic Acid	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	Bis(2-chloroethoxy)methane	. WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2,4-Dichlorophenol	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	1,2,4-Trichlorobenzene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Naphthalene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	4-Chloroaniline	WA [.]	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Hexachlorobutadiene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	4-Chloro-3-methylphenol	WA	μg/L	10
1	SEMIVOLATILES/WATER/GCMS	2-Methylnaphthalene	WA	μg/L	10
Ĺ	SEMIVOLATILES/WATER/GCMS	Hexachlorocyclopentadiene	WA	μg/L	10

Table G-1 Pace, Incorporated Analytical Methods and CRLs for Groundwater

Method Number	Method Name				
	iviethod Name	Test Name	Matrix	Units	CRL
UM06 (Cont.)	SEMIVOLATILES/WATER/GCMS	2,4,6-Trichlorophenol	WA	μg/L	10
(00111.7	SEMIVOLATILES/WATER/GCMS	2,4,5-Trichlorphenol	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	2-Chloronaphthalene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2-Nitroaniline	WA	µg/L	50
	SEMIVOLATILES/WATER/GCMS	Dimethylphthalate	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Acenaphthylene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	3-Nitroaniline	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	Acenaphthene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2,4-Dinitrophenol	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	4-Nitrophenol	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	Dibenzofuran	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	2,4-Dinitrotoluene	WA	μg/L	1/
	SEMIVOLATILES/WATER/GCMS	2,6-Dinitrotoluene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Diethylphthalate	WA	µg/L	10
	SEMIVOLATILES/WATER/GCMS	4-Chlorphenyl-phenylether	WA	μ̈g/L	10
	SEMIVOLATILES/WATER/GCMS	Fluorene	WA	µg/L	10
	SEMIVOLATILES/WATER/GCMS	4-Nitroaniline	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	4,6-Dinitro-2-methylphenol	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	N-Nitrosodiphenylamine	WA	μg/L	10
;	SEMIVOLATILES/WATER/GCMS	4-Bromophenyl-phenylether	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Hexachlorobenzene	WA	μg/L	10
ļ	SEMIVOLATILES/WATER/GCMS	Pentachlorophenol	WA	μg/L	50
	SEMIVOLATILES/WATER/GCMS	Phenanthrene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Anthracene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Di-n-butyl Phthalate	WA	μg/L	10
<u> </u>	SEMIVOLATILES/WATER/GCMS	Fluoranthene	WA	μg/L	10
Į	SEMIVOLATILES/WATER/GCMS	Pyrene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Butylbenzylphthalate	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	3,3'-Dichlorobenzidine	WA	μg/L	2C

TABLE G-1
PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR GROUNDWATER

Method Number	Method Name	Test Name	Matrix	Units	CRL
UM06	SEMIVOLATILES/WATER/GCMS	Benzo(a)anthracene	WA	μg/L	10
(Cont.)	SEMIVOLATILES/WATER/GCMS	Bis(2-ethylhexyl)phthalate	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Chrysene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Di-n-octylphthalate	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzo(b)fluoroanthene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzo(k)fluoroanthene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzo(a)pyrene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Indene(1,2,3-c,d)pyrene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Dibenz(a,h)anthracene	WA	μg/L	10
	SEMIVOLATILES/WATER/GCMS	Benzo(g,h,i)perylene	WA	μg/L	10
UM05	VOLATILES/WATER/GCMS	1,1,1-Trichloroethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	1,1,2-Trichloroethane	WA	µg/L	5.0
	VOLATILES/WATER/GCMS	1,1-Dichloroethene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	1,1-Dichloroethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	1,2-Dichloroethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	1,2-Dichloropropane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Acetone	WA	µg/L	10
	VOLATILES/WATER/GCMS	Bromodichloromethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	cis-1,2-Dichloroethene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	cis-1,3-Dichloropropene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Vinyl Chloride	WA	μg/L	10
	VOLATILES/WATER/GCMS	Chloroethane	WA	μg/L	10
	VOLATILES/WATER/GCMS	Benzene .	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Carbon Tetrachloride	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Methylene Chloride	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Bromomethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Chloromethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Bromoform	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Chloroform	WA	μg/L	5.0

TABLE G-1 PACE, INCORPORATED ANALYTICAL METHODS AND CRLS FOR GROUNDWATER

Method Number	Method Name	Test Name	Matrix	Units	CRL
UM05	VOLATILES/WATER/GCMS	Chlorobenzene	WA	μg/L	5.0
(Cont.)	VOLATILES/WATER/GCMS	Carbon Disulfide	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Dibromochloroemethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Ethylbenzene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Toluene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	2-Butanone	WA	μg/L	10
	VOLATILES/WATER/GCMS	4-Methyl-2-pentanone	WA	μg/L	10
	VOLATILES/WATER/GCMS	2-Hexanone	WA	μg/L	10
	VOLATILES/WATER/GCMS	Styrene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	trans-1,2-Dichloroethene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	trans-1,3-Dichloropropene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	1,1,2,2-Tetrachloroethane	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Tetrahcloroethene	WA	μg/L	5.0
	VOLATILES/WATER/GCMS	Trichloroethene	WA	μg/L	5.0
·	VOLATILES/WATER/GCMS	Total Xylenes	WA	μg/L	5.0
SW7421		Lead	WA	μg/L	4.0
SW8020	AROMATIC VOLATILES	Benzene	WA	μg/L	0.0042
	AROMATIC VOLATILES	Toluene	WA	μg/L	0.0039
	AROMATIC VOLATILES	Ethylbenzene	WA	μg/L	0.0039
	AROMATIC VOLATILES	Total Xylenes	WA	μg/L	0.0037

Key: CRL = Certified Reporting Limits
ICP = Inductively Coupled Plamsa
ECD = Electron Capture Detector

GC/MS = Gas Chromatograph/Mass Spectrometry

 μ g/L = Micrograms per liter

APPENDIX G-2 METHOD BLANK DATA

Results for Method Blanks (Sorted by Installation, Lot Number and Analyte)

Lot Number	EDS	EDT	EFI	ЕРЈ	EFK	EFL	EFM	EFO	EQR	ESF	ESG	ESH	ESI	ESJ	ESK	ESQ	ESR	ESS	ETC
Data Q <u>uals</u>																			
Flag <u>Codes</u>	۲																		
Unit <u>Meas</u>	NGL	ngg	UGL	ner	nor	ner	ngr	ner	ngg	nge	UGG	ner	ngg	UGG	OGG	NGG	UGG	UGG	NGF
Conc.	1000	20	7	7	7	. 2	3	£	£;	£,	εί	E	£i	.3	£;	£i	٤ċ	£.i	£.
Meas. Bool	QN	ND	ND	QN .	ND	ND	ND	ND	ND	ND	ND	QN	ND	QN	QN	QN	QN	ND	ND
d/ Analyte Description	Total Petroleum Hydrocarbons	Total Petroleum Hydrocarbons	Thallium	Thallium	Thallium	Thallium	TI	Thallium	Lead	Arsenic	Arsenic	Arsenic	Arsenic	Arsenic	Arsenic .	Arsenic	Arsenic	Arsenic	Antimony
Method/ Matrix	W/00	\$/00	W/2972	W/2972	7840/W	7840/W	2831/W	2792/W	6010/S	2062/S	2062/S	2062/W	2062/S	2062/S	2062/S	S/090L	S/090L	S/090L	2042/W
Inst. Code	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB

Page 1

Results for Method Blanks (Sorted by Installation, Lot Number and Analyte)

Lot Number	ETE	ETF	ETG	ETI	ETJ	EVD	EVE	EVF	ЕVН ЕVН ЕVН	EVJ EVJ EVJ EVJ EVJ	EVK EVK EVK EVK EVK	EVL EVL EVL EVL EVL	EVM EVM
Data Quals													
Flag Codes													
Unit Meas	ner	UGL	NGL	UGL	NGL	UGG	ngg	NGG	ner ner	190 190 190 190 190	090 000 000 000 000	750 750 760 760 760 760	nor nor
Conc.	æ	3	9	~	8	£;	65.	.44	4 W N	n' u' có	. 05 . 05 . 04 . 04	vi wi ∞i	
Mcas. <u>Bool</u>	ND	ND	NO	QN	QN	QN			ON ON	99999	99999	22222	ND .
Analyte Description	Antimony	imony	mony	mony	mony				nic I nium	12DMB 134DMB Berzene Ethylberzene Toluene	12DMB 134DMB Bertzene Ethylbertzene Toluene	12DMB 134DMB Benzene Ehylbenzene Toluene	da DMB
_		Antimony	Antimony	Antimony	Antimony	Lead	Lead	Lead	Arsenic Lead Selenium	12DMB 134DMB Benzene Ethylbenz Toluene	12DMB 134DMB Benzene Ethylbenz Toluene	12DMB 134DMB Benzene Ethylbenz Toluene	12DMB 134DMB
Method/ Matrix	2042/W	7041/W	7041/W	2041/W	2042/W	S/0109	S/0109	S/0109	6010/W 6010/W 6010/W	8020/W 8020/W 8020/W 8020/W 8020/W	8020/S 8020/S 8020/S 8020/S 8020/S	8020/W 8020/W 8020/W 8020/W 8020/W	8020/W 8020/W
Inst. Code	WB	WB	WB	WB	WB	WB	WB	WB	WB WB WB	WB WB WB WB	WB WB WB WB	WB WB WB WB	WB WB

Results for Method Blanks (Sorted by Installation, Lot Number and Analyte)

Lot Number	EVM EVM EVM	EVN EVN EVN EVN	EVT	EVV	EVW	EVX	EVY EVY EVY	EVZ	EWA	EWG EWG EWG EWG EWG EWG EWG EWG EWG EWG
Data Quals										
Flag Codes										
Unit <u>Meas</u>	AGE UGE UGE	790 790 790 790 790	nGG	NGL	ODO	NGG	TON NGT NGT	NGL	NGL	
Conc.	૧૫ માં જ	− 4 4i € &	£.	10000	.43	.55	4 E V	3	£	.0057 .00031 .0013 .00076 .00057 .00057 .0011 .0057 .00074 .0013 .00053 .00075
Meas. Bool	O O O	Q Q Q Q Q	ND	ND			ON ON ON	ND	ND	2222222222222
Method/ Matrix Analyte Description	720/W Benzene 720/W Ethylbenzene 720/W Toluene	720/W 12DMB 720/W 134DMB 720/W Benzene 720/W Ethylbenzene 720/W Toluene	010/S Lead	015/W ATIFRZ	010/S Lead	010/S Lead	010/W Arsenic 010/W Lead 010/W Selenium	010/W Lead .	010/W Lead	280/W 234FXF 280/W 24PCF 280/W 678HPD 280/W 678HPF 280/W 678HXP 280/W 789HPF 280/W 789HPF 280/W 789HXD 280/W 789HXD 280/W 789FXD 280/W 78PCDD 280/W 78FCDD 280/W 78FCDD 280/W 78FCDD 280/W 78FCDD
	8020/W 8020/W 8020/W	8020/W 8020/W 8020/W 8020/W 8020/W	6010/S	8015/W	8/0109	S/0109	0010/W 6010/W 6010/W	6010/W	6010/W	8280/W 8280/W
Inst. Code	WB WB WB	WB WB WB WB	WB	WB	WB	WB	WB WB WB	WB	WB	WB WB WB WB WB WB WB WB WB WB WB WB

Results for Method Blanks (Sorted by Installation, Lot Number and Analyte)

Lot Number	EWG EWG EWG EWG EWG EWG EWG	ЕWН	EWJ	EWK	EWL	EWM EWM EWM	EWN EWN EWN	EWO	EWP EWP EWP	EWQ EWQ EWQ	EWR EWR EWR	EZB
Data Quals												
Flag Codes	·											
Unit <u>Meas</u>	150 150 150 150 150 150 150 150	NGL	NGL	DDN	NGG	NGL NGL NGL	TON NOT NOT	DDN	NGL NGL NGL	UGL UGL UGL	OGL UGL UGL	NGG
Conc.	.00019 .00028 .0011 .0057 .0013 .0045	e	2000	25	.81	460	4 E N	ιż	4 tt v	4 E V	4 to to	εi
Meas. Bool	99999999	QN.	N	QN		ON ON ON ON	ON ON ON ON	QN	N N N N N N N N N N N N N N N N N N N	ON ON ON	ON ON ON ON	ND
uo.												
Analyte Description												
Analyte	TCDD TCDF THCDD THCDF THPCDD THPCDD TPCDD	Lead	ATIFRZ	ATIFRZ	Lead	Arsenic Lead Selenium	Arsenic Lead Selenium	Lead	Arsenic Lead Selenium	Arsenic Lead Selenium	Arsenic Lead Selenium	Arsenic
Method/ Matrix	8280/W 8280/W 8280/W 8280/W 8280/W 8280/W 8280/W 8280/W	6010/W	8015/W	8015/8	S/0109	6010/W 6010/W 6010/W	6010/W 6010/W 6010/W	6010/S	6010/W 6010/W 6010/W	W/0109 M/0109	0010/W 6010/W 6010/W	2062/S
Inst. Code	WB WB WB WB WB WB	WB	WB	WB	WB	WB WB WB	WB WB WB	WB	WB WB WB	WB WB WB	WB WB WB	WB

Lot <u>Number</u>	HDW HDW HDW HDW HDW HDW HDW HDW HDW HDW	MOII MOII MOII
Data <u>Quals</u>		
Flag Codes	*	
Unit <u>Meas</u>	990 900 900 900 900 900 900 900 900 900	000 000 000
Conc.	28 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.19 .2. 72.
Meas. <u>Bool</u>		בבב
	•	
Analyte Description	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorophenol 2,4-5-Trichlorophenol 2,4-Dinitrophenol 2-Methylaphenol 2-Nitrophenol 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chlorophenyl phenyl ether 4-Chloro-3-cresol 4-Chlorophenylphenol 3-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(b, i)perylene Benzo(a)pyrene Benzo(b, i)perylene Benzo(b, i)perylene Benzo(a)pyrene Benzo(b, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(a)pyrene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene Benzo(c, i)perylene	Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate Chrysene
Method/ Matrix Aı		LM30/S Bi: LM30/S Bu: LM30/S Ci:
Inst. M Code M		WB CL

Lot Number		XGII
Data Quals		
Flag Codes	××××××××××××××××××××××××××××××××××××××	
Unit <u>Meas</u>	990 990 990 990 990 990 990 990 990 990	ngg Ngg
Conc.	1222123 221113821112223 211112224211126 222111222421126 222111222421126 222111222421126 22211222421126	.29
Meas. <u>Bool</u>	ממממממממממממממממממממממממממממממממממממ	LT
Analyte Description	Di-n-butyl phthalate Di-n-octyl phthalate Dien-octyl phthalate Dien-octyl phthalate Dientyl phthalate Dientyl phthalate Dientyl phthalate Dientyl phthalate Elucandhene Elexachlorobenzene Hexachlorobenzene Hexachlorobutadiene Hexachlorobutadiene Hexachloropylornaleine Hexachloropyloropentaleine Hexachloropyloropentaleine Hexachloropyloropentaleine Ilexachlorophenel Phexachlorophenel Phexachlorophenel N-Nitrosodiphenylamine N-Nitrosod	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene
Method/ Matrix	10 10 10 10 10 10 10 10 10 10 10 10 10 1	LM30/S LM30/S
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB

Lot Number			
Data <u>Quals</u>			
Flag Codes	м мм м м		
Unit <u>Meas</u>	9500 9500 9500 9500 9500 9500 9500 9500		
Conc.	28		
Meas. <u>Bool</u>	######################################		
·			
Analyte Description	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimitrophenol 2,4-Dimitrophenol 2,4-Dimitrophenol 2,4-Dimitrophenol 2-Methyl-4,6-dimitrophenol 2-Methyl-4,6-dimitrophenol 2-Methyl-4,6-dimitrophenol 3-Witroamiline 2-Nitrophenol 3,3-Dichlorobenzidine 3-Nitroamiline 4-Chlorop-myl phenyl ether 4-Chloro-3-cresol 4-Chlorop-myl phenyl ether 4-Chloro-3-cresol 4-Chlorop-myl phenyl ether 4-Chloro-3-cresol 4-Chlorop-myl phenyl ether 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 6-Chloro-3-cresol	Method/ Matrix	LM30/S LM
Inst. Code	W W W W W W W W W W W W W W W W W W W		

Lot Number		
Data Quals		
Flag Codes	ο ο ο ο ο ο	≃
Unit <u>Meas</u>	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990
Conc.	2.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	3.5 3.1 3.1 3.1 3.1 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6
Meas. <u>Bool</u>	ממממממממממממממממממממ	g בבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבב
Analyte Description	Dibenz(a,h)anthracene Dibenzofuran Diethyl phthalate Dimethyl phthalate Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone Nahlulene Naphhalene Nitrobenzene Pentachlorophenol Phenol Phenol Phenol Pyrene UNK531 UNK535 UNK535 UNK535	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinnethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitroplenol 2,6-Dinitroplenol 2-Chlorophenol 2-Methyl-4,6-dinitrophenol 2-Methylhapthalene 2-Methylphenol 2-Methylphenol 2-Methylphenol 2-Mitrophenol 2-Mitrophenol 2-Mitrophenol 3,3'-Dichlorobenzidine
Method/ Matrix	LM30/S LM30/S	LM30/S LM30/S
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number	
Data <u>Quals</u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Flag Codes	~ ~ ~
Unit <u>Meas</u>	990 990 990 990 990 990 990 990 990 990
Conc.	7.7.7.2.8.8.8.8.7.7.7.7.7.8.8.8.7.7.7.7.
Meas. Bool	######################################
J Analyte Description	4-Bromophenyl phenyl ether 4-Bromophenyl phenyl ether 4-Chlorophenylphenyl Ether 4-Melnyhphenol 4-Chlorophenylphenyl Ether 4-Mitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 5-Cher 5-Cher 6-Cher
Method Matrix	LM30/S LM
Inst. Code	W W B W B B W W B W B W W B B W W B W

Lot Number		HEU	HEV	HEW	HEX	HEY	HEZ	МНМ	НІХ	ННҮ	ZIIH	
Data Quals	~~~~~~~											
Flag Codes												
Unit Meas	990 990 990 990 990 990 990 990	UGG	000	UGG	UGG	UGG	UGG	nge	UGG	nge	ngg	990 990 990 990 990 990 990 990 990
Conc.	.48 .177 .977 .977 .108	1.22	1.22	1.22	1.22	1.22	1.22	.087	.087	.087	.087	82.9 4.87 4.27 .974 2.5 3.38 10 4 7.5
Meas. Bool		LT	LT	LT	LT	LT	LT	LT	LT	LT	LT	***************************************
Analyte Description	Pentachlorophenol Phenanthrene Phenol Pyrene UNK531 UNK533 UNK534 UNK534	Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Mercury	Mercury	Mercury	Mercury	Antimony Barium Cadmium Chromium (Total) Cobalt Copper Lead Molybdenum Nickel
Method/ Matrix	LM30/S LM30/S LM30/S LM30/S LM30/S LM30/S LM30/S LM30/S	KY04/S	KY04/S	KY04/S	KY04/S	KY04/S	KY04/S	JB06/S	JB06/S	JB06/S	JB06/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S
Inst. Code	WB WB WB WB WB WB WB WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB WB WB WB WB WB WB WB WB

Lot Number	HNU	HNV HNV HNV HNV HNV HNV HNV HNV HNV	HNWW HNWW HNWW HNWW HNWW HNWW HNWW HNWW	X X X X X X X X X X X X X X X X X X X
Data <u>Quals</u>				
Flag Codes				
Unit <u>Meas</u>	UGG	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990
Conc.	12.5 4.9	82.9 4.87 .427 .974 2.5 3.38 10 4 7.5 12.4	82.9 4.87 .427 .974 .974 .3.38 .10 .4 .7.5 .12.4 .12.5 .4.8	82.9 4.87 -9.27 -9.74 -9.78 -9.38 -9.38 -9.38 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10
Meas. <u>Bool</u>	LT	***************************************		ממממממממממ
Analyte Description	Thallium Zinc	Antimony Barium Cadmium Cadmium Chromium (Total) Cobalt Copper Lead Molybdenum Nickel Selenium Thallium Zinc	Antimony Barium Cadmium Cadmium Chromium (Total) Cobalt Copper Lead Molybdenum Nickel Selenium Thallium Zinc	Antimony Barium Cadmium Cadmium Chronium (Total) Cobalt Copper Lead Molybdenum Nickel Selenium Thallium
Method/ Matrix	JS14/S JS14/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S
Inst. Code	WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number			1103
Data Quals			
Flag Codes			
Unit Meas	990 990 990 990 990 990 990 990 990 990	950 950 950 950 950 950 950 950 950 950	000
Conc.	82.9 4.87 -4.27 -974 -974 -2.5 -3.38 -10 -4 -7.5 -12.4 -12.5 -4	.0025 .0025 .0025 .0025 .0025 .0027 .0025 .0025 .0025 .0029 .0029 .0038 .0026 .0026 .0026 .0026 .0027 .0027 .0027 .0027 .0027	.000.
Meas. Bool	בבבבבבבבב		1
Analyte Description	Antimony Barium Cadmium Chomium (Total) Cobalt Copper Lead Molybdenum Nickel Selenium Zinc	1,1,1-Trichlorocthane 1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichloropropane 2-Butanone 2-Bexanone Acetone Bromodichloromethane Bromodichloromethane Bromodichloromethane C13DCP Carbon disulfide Carbon disulfide Carbon disulfide Carbon disulfide Carbon disulfide Carbon disulfide Carbon disulfide Chlorocthane Methylisn chloride Siyrene Methylisn chloride Siyrene Methylisn chloride Siyrene Methylisn chloride Siyrene	
⇒	Antimony Barium Cadmium Chromium Chobalt Copper Lead Molybden Nickel Selenium Thallium		
Mcthod/ Matrix	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S	LM33/S LM	
Inst. Code	WB WB WB WB WB WB WB WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W	

Lot Number	HOJ HOJ HOJ	HOK HOK HOK HOK HOK HOK HOK HOK HOK HOK	HOK HOK HOK HOK HOK HOK	101
Data Quals				
Flag Codes				
Unit <u>Meas</u>	990 000 000	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990	000
Conc.	.0025 .0025 .0025 .0075	.0025 .0025 .0025 .0027 .0027 .0025 .0025 .0025 .0025 .0029 .0026 .0038 .0026 .0038 .0026 .0026 .0038 .0027 .0027 .0027	.0025 .0025 .0025 .0025 .0025 .0025 .0025	.0025
Mcas. <u>Bool</u>	5555	######################################	:d ממממממ	I.T.
,				
Analyte Description	Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1,1,1-Trichlorocthane 1,1,2-Tetrachlorocthane 1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichloropropane 2-Butanone 2-Butanone Bromodichloromethane Bromodichloromethane Bromodichloromethane Clabon disulfide Carbon tetrachloride Clatorocthane Chlorocthane Chl	Styrene T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Xylenes (total) 1,1,1-Trichloroethane	1,1,2,-Trichloroethane
Method/ Matrix	LM33/S LM33/S LM33/S LM33/S	LM33/8 LM	LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S	LM33/S
Inst. Code	WB WB WB	WWB WWB WWB WWB WWB WWB WWB WWB WWB WWB	WWB WWB WWB WWB WWB WWB WWB WWB WWB WWB	WB

Lot Number	HOC HOC HOC HOC HOC HOC HOC HOC HOC HOC	HOM HOM HOM HOM HOM HOM HOM HOM
Data Quals		
Flag Codes		
Unit <u>Meas</u>	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990
Conc.	.0025 .032 .0027 .0025 .0025 .0025 .0025 .0026 .0026 .0038 .0026 .0036 .0026 .0026 .0027 .0027 .0027 .0027 .0027 .0027 .0027 .0027 .0027 .0027 .0027 .0027	.0025 .012 .0025 .0025 .032 .0027 .0025 .0051 .018
Meas. <u>Bool</u>	222222222222222222222222222222222222222	***************************************
Method/ <u>Matrix</u> Analyte <u>Description</u>	LM33/S 1,1-Dichloroethane LM33/S 1,2-Dichloroethane LM33/S 1,2-Dichloroethane LM33/S 2-Butanone LM33/S 2-Hexanone LM33/S 2-Hexanone LM33/S 2-Hexanone LM33/S Bornodichloromethane LM33/S Bromodichloromethane LM33/S Carbon disulfide LM33/S Carbon disulfide LM33/S Carbon detrachloride LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Chloroethane LM33/S Tetachloroethene LM33/S Tetachloroethene LM33/S Tetachloroethene LM33/S Trichloroethene	LM33/S 1,1.1-Trichlorocthane LM33/S 1,1.2.2-Tetrachlorocthane LM33/S 1,1.2.7-Trichlorocthane LM33/S 1,1-Dichlorocthane LM33/S 1,1-Dichlorocthane LM33/S 1,2-Dichlorocthane LM33/S 1,2-Dichloropropane LM33/S 1,2-Dichloropropane LM33/S 2-Hexanone LM33/S 2-Hexanone LM33/S Benzene
	LM3 LM3 LM3 LM3 LM3 LM3 LM3 LM3	LM3: LM3: LM3: LM3: LM3: LM3: LM3: LM3:
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB

Lot Number	HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM	HON N N N N N N N N N N N N N N N N N N
Data Quals		
Flag Codes		
Unit <u>Meas</u>	0000 0000 0000 0000 0000 0000 0000 0000 0000	0000 0000 0000 0000 0000 0000 0000 0000 0000
Conc.	.0025 .0025 .0029 .0029 .0028 .0026 .0025 .0025 .0025 .0025 .0025 .0025 .0025 .0025	.0025 .0025 .0025 .0027 .0027 .0025 .0025 .0025 .0025 .0029 .0029 .0029
Mcas. <u>Bool</u>	מממממממממממממממממממממממממממממממממממממ	מבבבבבבבבבבבבב
Analyte Description	Bromodichloromethane Bromonethane Bromonethane C13DCP Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene Chlorochene T13DCP Tetrachlorochene Toluene Trans-1,2-Dichlorocthene Trans-1,2-Dichlorocthene Trans-1,2-Dichlorocthene Trichlorocthene Trichlorocthene Trichlorocthene	1,1.7 richloroethane 1,1.2.2 - Tetrachloroethane 1,1.2.1 - Trichloroethane 1,1.2 ichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloropropane 2-Buanone Berazone Berazone Bromodichloromethane Bromodichloromethane C13DCP Carbon disulfide Carbon disulfide Chiorobenzene
>		
Method/ Matrix Analyte	LM33/S Bromodich LM33/S Bromoneth LM33/S Carbon dist LM33/S Carbon dist LM33/S Carbon tert LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Chlorochen LM33/S Ethylbenzel LM33/S Bibromoch LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene LM33/S Toluene	LM33/S 1,1,1-Trichl LM33/S 1,1,2,2-Tetr. LM33/S 1,1,2-Trichlor LM33/S 1,1-Dichlor LM33/S 1,2-Dichlor LM33/S 1,2-Dichlor LM33/S 2-Hexanone LM33/S 2-Hexanone LM33/S 2-Hexanone LM33/S Bromodelid LM33/S Bromodelid LM33/S Bromodelid LM33/S Carbon disul LM33/S Chlorobenze LM33/S Chlorobenze

Lot Number	H H H H H H H H H H H H H H H H H H H	
Data Quals		
Flag Codes	o	
Unit Meas	950 950 950 950 950 950 950 950 950 950	990 990 990 990 990 990 990 990 990 990
Conc.	.0038 .0026 .035 .0025 .0027 .0027 .0025 .0025 .0025 .0025 .0025 .0025	.0033 .0033 .0033 .0017 .0017 .0017 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0033 .0017 .0017 .0017 .0017
Mcas. <u>Bool</u>		999999999999999999999999999999999999999
Analyte Description	Chloroethene Chloroform Chloromethane eis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methylene chloride Styrene T 13DCP T ctrachloroethene T oluene trans-1,2-Dichloroethene Trichloroethene Trichloroethene WNK068 Xylenes (total)	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane Aldrin alpha-Benzene hexachloride beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride Glata-Benzene hexachloride Beta-Benzene hexachloride Beta-Benzene hexachloride Beta-Benzene hexachloride Beta-Benzene hexachloride Bedosulfan II Endosulfan II Endosulfan sulfate Bedrin Endrin ENDRNK gamma-Chlordane Heptachlor Heptachlor Peptachlor
Method/ <u>Matrix</u>	LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S LM33/S	8080/S 8090/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S 800/S
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number	HPG	H4H H4H H4H H4H H9H	HPH HPH HPH HPH HPH HPH		
Data Qual <u>s</u>					
Flag <u>Codes</u>					
Unit <u>Meas</u>	000 000	990 990 990 990 990 900	000 000 000 000 000 000 000 000 000	990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990
Conc.	.033 .17	.0096 .0112 .0142 .013 .0025 .004	.0228 .0078 .0077 .0047 .0111 .0111 .0276 .0061	0.003 0.02 0.02 0.04 0.04 0.04 0.04	.0033 .0033 .0033 .0017 .0017 .0017 .0017 .0033
Meas. <u>Bool</u>	ND ON	5555555		35555555555555555555555555555555555555	222222222
Analyte Description	PCB 1260 Toxaphene	2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride	delta-Benzene hexachloride Dieldrin Endosulfan II Endosulfan III Endosulfan III Endosulfan Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin	Inspection Heptachlor epoxide Heptachlor epoxide Methoxychlor PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1260 Toxaphene	2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride Endosulfan I Endosulfan II
Method/ Matrix Analyte Description	8080/S PCB 1260 8080/S Toxaphene		LH19/S delta-Benzene hexachloride LH19/S Dieldrin LH19/S Endosulfan I LH19/S Endosulfan II LH19/S Endosulfan sulfate LH19/S Endosulfan sulfate LH19/S Endrin LH19/S Endrin LH19/S gamma-Chlordane LH19/S gamma-Chlordane		8080/S 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 8080/S 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 8080/S 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 8080/S Aldrin 8080/S alpha-Benzene hexachloride 8080/S alpha-Chlordane 8080/S beta-Benzene hexachloride 8080/S detla-Benzene hexachloride 8080/S detla-Benzene hexachloride 8080/S Endosulfan I

Lot Number		
Data Quals		
Flag Codes		++++
Unit Meas	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990 990
Conc.	.0033 .0033 .0033 .0017 .0017 .0017 .017 .033 .033 .033 .033	.0096 .0112 .0113 .0142 .0025 .0024 .0054 .0078 .0077 .0071 .0111 .0214 .0096 .0096 .0039 .02 .039 .04
Mcas. Bool	222222222222222222222222222222222222222	9999844444444444444444
Method/ Matrix Analyte Description	80/S Endosulfan sulfate 80/S Endrin 80/S Endrin 80/S Endrin 80/S Endrin 80/S Gamma-Chlordane 80/S Heptachlor 80/S Heptachlor epoxide 80/S Heptachlor 80/S Methoxychlor 80/S PCB 1016 80/S PCB 1221 80/S PCB 1232 80/S PCB 1248 80/S PCB 1248 80/S PCB 1248 80/S PCB 1254 80/S PCB 1260 80/S PCB 1260	 19/S 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 19/S 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 19/S 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 19/S Aldrin 19/S alpha-Benzene hexachloride 19/S alpha-Chlordane 19/S beta-Benzene hexachloride 19/S Endesulfan II 19/S Endosulfan II 19/S Endosulfan II 19/S Endosulfan II 19/S Endosulfan Sulfate 19/S Endosulfan Sulfate 19/S Endrin 19/S Endrin 19/S Endrin 19/S Endrin 19/S PUDRNK 19/S Methoxychlor 19/S Methoxychlor 19/S PCB 1221 19/S PCB 1232 19/S PCB 1248
	\$0808 \$0808	LH19/S LH
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number	HPJ HPJ HPJ			
Data Quals				
Flag Codes	H H H		1 + + + + + +	
Unit <u>Meas</u>	000 000 000	000 000 000 000 000 000 000 000 000	990 990 990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990 990
Conc.	.04 .04 .2	.0096 .0112 .0112 .013 .0025 .0054		.0096 .0112 .0112 .013 .0025 .004 .0054 .0054
Meas. Bool	ON ON ON	:ממממממממ	388888888888888888888888888888888888888	
10d/ 1ix Analyte Description	/S PCB 1254 /S PCB 1260 /S Toxaphene	 /S 2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane /S 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane /S 2,2-bis(p-Chloropheny)-1,1-dichlorocthene /S Aldrin /S alpha-Benzene hexachloride /S beta-Benzene hexachloride /S beta-Benzene hexachloride /S delta-Benzene hexachloride 		
Inst. Method/ Code Matrix Analyte Description	LH19/S PCB 1254 LH19/S PCB 1260 LH19/S Toxaphene	LH19/S 2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane LH19/S 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane LH19/S 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene LH19/S Aldrin LH19/S alpha-Benzene hexachloride LH19/S beta-Benzene hexachloride LH19/S delta-Benzene hexachloride LH19/S delta-Benzene hexachloride		

Lot Number		X X X X X X X X X X X X X X X X X X X
Data Quals		
Flag Codes		⊢ ← ←
Unit Meas	990 900 900 900 900 900 900 900 900 900	550 550 550 550 550 550 550 550 550 550
Conc.	. 0178 . 013 . 013 . 0276 . 0276 . 0315 . 0315 . 04 . 04 . 04 . 04 . 04	.0096 .0112 .0113 .0142 .0028 .0054 .0078 .0077 .0071 .013 .0111 .0276 .0061 .0061 .0096 .0096 .0096 .0096 .0096
Meas. <u>Bool</u>	566666555 5555555	999922222222222222
Method/ Matrix Analyte Description	LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan sulfate LH19/S Endrin LH19/S Endrin LH19/S gamma-Chlordane LH19/S Ileptachlor epoxide LH19/S Ileptachlor epoxide LH19/S Lindane LH19/S PCB 1221 LH19/S PCB 1221 LH19/S PCB 1232 LH19/S PCB 1232 LH19/S PCB 1248 LH19/S PCB 1248 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1254 LH19/S PCB 1256 LH19/S PCB 1256	LH19/S 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene LH19/S Aldrin LH19/S alpha-Benzene hexachloride LH19/S alpha-Chlordane LH19/S bieldrin LH19/S bieldrin LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan II LH19/S Endosulfan Sulfate Endosulfan Sulfate LH19/S Endosulfan Sulfate E
Inst. N	WB	WB WB CER

Flag Data Lot Codes Quals Number	T HPN T T HPN T T HPN T T HPN T T HPN T T T T T T T T T T T T T T T T T T T	9911 9911 9911 9911 9911 9911	44H 44H 44H 44H 44H 44H 44H 44H 44H 44H
Unit I Meas (000 000 000 000	990 990 990 990 990 990 990 990	990 990 990 990 990 990 990 990
Conc.	.04 .04 .05	.0033 .0033 .0033 .0017 .0017 .067 .0033	.0033 .0033 .0033 .0017 .0017 .033 .033 .033 .033
Meas.	ON ON ON ON ON		
Analyte Description	PCB 1248 PCB 1254 PCB 1260 Toxaphene	2.2-bis(p-Chlorophenyl)-1.1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene Aldrin alpha-Benzene hexachloride beta-Benzene hexachloride CLD-BN delta-Benzene hexachloride Dieldrin Endosulfan I	Endosultan II Endosultan sulfate Endrin Endrin Heptachlor epoxide Lindane Methoxychlor PCB 1221 PCB 1221 PCB 1242 PCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1254 PCB 12560 Toxaphene
Method/ Matrix	CH19/S CH19/S LH19/S LH19/S	8080/S 8080/S 8080/S 8080/S 8080/S 8080/S 8080/S 8080/S 8080/S	8080/S 8090/S 800/S 800/S
Inst. Code	WB WB WB	W W W W W W W W W W W W W W W W W W W	WB WB WB WB WB WB WB WB WB

Lot Number	HPR HPR HPR HPR HPR HPR HPR HPR	HPT HPT HPT HPT HPT HPT HPT HPT HPT HPT
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Unit <u>Meas</u>	090 090 090 090 090 090 090 090 090 090	990 990 990 990 990 990 990 990 990 990
Conc.	. 013 .0111 .0276 .0051 .0051 .0039 .0039 .04 .04 .04 .04	.0096 .0112 .0112 .013 .0025 .0025 .0028 .0034 .0071 .013 .0214 .0216 .0214 .039 .039 .04 .04
Meas. Bool	888888855555555555555555555555555555555	8888844444444444444444444444444
Analyte Description	Endosulfan sulfate Endrin Endrin Endrin ENDRNK garnma-Chlordane Heptachlor Heptachlor epoxide Lindane Methoxychlor PCB 1016 PCB 1221 PCB 1221 PCB 1232 PCB 1248 PCB 1248 PCB 1254 PCB 12560 Toxaphene	2,2-bis(p-Chloropheny)-1,1,1-trichloroethane 2,2-bis(p-Chloropheny)-1,1,1-dichloroethane 2,2-bis(p-Chloropheny))-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Benzene hexachloride beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride Beta-Benzene hexachloride Beta-Benzene hexachloride Beta-Benzene hexachloride Bedran II Endosulfan II Endosulfan sulfate Endrin Endrin ENDRNK gamma-Chlordane Heptachlor Heptachlor PCB 1016 PCB 1016 PCB 1221 PCB 1232 PCB 1248
Method/ <u>Matrix</u>	LH19/S LH19/S	1419/8 14119/8
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number	HPT HPT HPT	HRA HRA HRA HRA HRA HRA HRA HRA	HRB HRB HRB HRB HRB HRB HRB HRB HRB	
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Mcas. <u>Bool</u>	<u> </u>	בבבבבבבבבבבב - בבבבבבבבבבבב	למלמלמלמל	לבלבלבלבלבלבל ברבלבלבלבלבל
10d/ 1ix Analyte Description	/S PCB 1254 /S PCB 1260 /S Toxaphene	Antimony Barium Cadrium Cadrium Chromium (Total) Cobalt Copper Lead Molybdenum Nickel S Selenium Thallium Zinc	Antimony Barium Cadmium Cadmium Chromium (Total) Cobalt Copper Lead Molybdenum Nickel Salenium Thallium Zinc	S Antimony S Barium S Cadmium C Cadmium S Chromium (Total) S Copper S Lead S Molybdenum S Nickel S Selenium S Thallium S Zine
Method <u>Matrix</u>	LH19/S LH19/S LH19/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S	JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S JS14/S
Inst. Code	WB WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

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Unit Meas	990 990 990 990 990 990 990 990 990 990	NGL	NGL
Conc.	25	.74	.74
Meas. <u>Bool</u>		LT .	LT
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hod/ rix Analyte Description		7/W Mercury	7/W Mercury
Inst. Method/ <u>Code Matrix Analyte Des</u> s		SB07/W Mercury	SB07/W Mercury

Lot Number	51				
Data <u>Quals</u>					
Flag <u>Codes</u>					
Unit <u>Meas</u>	NGL	100 000 000 000 000		190 190 190 190 190 190 190 190 190 190	100 100 100 100 100 100 100 100 100 100
<u>Conc.</u>	.74	<u></u> 80 6	5 5 5 5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		.0316 .0316 .0848 .0946 .0638 .0434 .0202 .0109 .0488 .0321 .00856
Meas.	LT	222222	22222	<u> </u>	22222222222222222222222222222222222222
Method/ Matrix Analyte Description	07/W Mercury		00/W beta-Benzene hexachloride 00/W delta-Benzene hexachloride 10/W Dieldrin 10/W Endosulfan I 10/W Endosulfan II 10/W Endosulfan II		0/W PCB 1248 0/W PCB 1254 0/W PCB 1254 0/W PCB 1260 0/W Toxaphene 1/W 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 21/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 21/W Adrin 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 21/W Aldrin 2,1-bis(p-Chlorophenyl)-1,1-dichloroethene 21/W Aldrin alpha-Benzene hexachloride 21/W alpha-Benzene hexachloride 21/W beta-Benzene hexachloride 21/W beta-Benzene hexachloride 21/W beta-Benzene hexachloride 21/W Endosulfan I 21/W Endosulfan II 21/W Endosulfan II
	SB07/W	W/0808 W/0808 W/0808 W/0808 W/0808	W/0808 W/0808 W/0808 W/0808 W/0808	W/0808 W/0808 W/0808 W/0808 W/0808 W/0808 W/0808 W/0808 W/0808 W/0808	8080/W 8080/W 8080/W 8080/W 0H21/W 0H21/W 0H21/W 0H21/W 0H21/W 0H21/W 0H21/W 0H21/W
Inst.	WB	W WB WB WB WB WB WB WB WB WB WB WB WB WB	WB WB WB WB	WB WB WB WB WB WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W

Lot Number		
Data Quals		
Flag <u>Codes</u>		
Unit <u>Meas</u>		
Conc.	.0372 .0697 .0687 .0482 .0631 .063 .0429 .1 .1 .1	
Mcas. <u>Bool</u>	5555555558888888	222222222222222222222222222222222222222
hod/ rix Analyte Description	W Endrin Endrin W Endrin W Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrin Endrachlor E	W 2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane W 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene W Aldrin W alpha-Benzene hexachloride W alpha-Chlordane W belta-Benzene hexachloride W belta-Benzene hexachloride W belta-Benzene hexachloride W bieldrin W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II W ENDRINK W ENDRINK W PCB 1016 W PCB 1232 W PCB 1232 W PCB 1242 W PCB 1248 W PCB 1254
Inst. Method/ Code Matrix Analyte Description	UH21/W Endrin UH21/W Endrin UH21/W Endrin UH21/W ENDRNK UH21/W Heptachlor UH21/W Heptachlor epoxide UH21/W Heptachlor poxide UH21/W Heptachlor UH21/W PCB 1016 UH21/W PCB 1221 UH21/W PCB 1232 UH21/W PCB 1248 UH21/W PCB 1248 UH21/W PCB 1254 UH21/W PCB 1260 UH21/W PCB 1260	8080/W 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 8080/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 8080/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 8080/W alpha-Benzene hexachloride alpha-Chlordane 8080/W beta-Benzene hexachloride beta-Benzene hexachloride B080/W beta-Benzene hexachloride B080/W beta-Benzene hexachloride B080/W Endosulfan II B080/W Endosulfan II B080/W Endosulfan sulfate B080/W Endosulfan sulfate B080/W Endosulfan sulfate B080/W Endosulfan II B080/W Endosulfan II B080/W Endosulfan S080/W Endosulfan S080/W Endosulfan S080/W Endosulfan B080/W Endosulfan B080/W Endosulfan B080/W Heptachlor epoxide B080/W Heptachlor epoxide B080/W PCB 1016 B080/W PCB 1232 B080/W PCB 1232 B080/W PCB 1242 B080/W PCB 1242 B080/W PCB 1248 B080/W PCB 1254

Lot Number	ILR ILR	11.S 11.S 11.S	S 11 S 11 S 1	3 I I	3 <u>2</u> 5	3 <u>2</u> :	S 23	S II S	ILS	11.S	SI SI	11.5	STI:	TS	SI	ILS	11.S	2. 2.5 2.5	
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Conc.	- Y	.0316 .0848 .0946	.0638 .0434 0202	0109	.0321	.012	20.	.0282	.045	.0631	.0429	.267	- ;	7 . –	: -:		- ;	L. S.	.0316 .0348 .0946 .0638 .0434 .0202 .0109 .0488 .00856
Mcas. Bool	Q Q	נד	TT TT	i	:1:	111	17.	בב	LT	11	: 1:	ቷ!	S S	22	R	ND	<u>Q</u>	Q Q	ממממממממממ !
. Method/ e <u>Matrix</u> Analyte Description	8080/W PCB 1260 8080/W Toxaphene		UH21/W alpha-Benzene hexachloride UH21/W alpha-Chlordane	UH21/W beta-Benzene hexachloride UH21/W delta-Benzene hexachloride	UH21/W Dieldrin UH21/W Endosulfan I	UH21/W Endosulfan II UH21/W Endosulfan su fate			UH21/W garnma-Chlordane	Onz.i.w neptachior UH21/W Heptachlor epoxide	_	UH21/W Methoxychlor	•	-	_		UH21/W PCB 1254		UH21/W 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane UH21/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane UH21/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene UH21/W alpha-Benzene hexachloride UH21/W alpha-Benzene hexachloride UH21/W beta-Benzene hexachloride UH21/W della-Benzene hexachloride UH21/W della-Benzene hexachloride UH21/W bieldrin UH21/W Endosulfan I UH21/W Endosulfan I
Inst. Code	WB WB	WB WB	w w w w w w	WB WB	WB WB	WB WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	W W	WB	WB WB WB WB WB WB WB WB

Lot Number		
Data Quals	1 7	
Flag Codes		
Unit <u>Meas</u>	150 150 150 150 150 150 150 150 150 150	
Conc.	.02 .0372 .0697 .0697 .045 .0631 .0667 .067 .1 .1 .1	
Mcas. <u>Bool</u>	88888885444444	222222222222222222222222222222222222222
Inst. Method/ Code Matrix Analyte Description	WB UH21/W Endosulfan sulfate WB UH21/W Endrin WB UH21/W Endrin WB UH21/W ENDRNK WB UH21/W Ieptachlor WB UH21/W Heptachlor epoxide WB UH21/W Heptachlor epoxide WB UH21/W Methackyclor WB UH21/W Methackyclor WB UH21/W PCB 1221 WB UH21/W PCB 1232 WB UH21/W PCB 1242 WB UH21/W PCB 1248 WB UH21/W PCB 1248 WB UH21/W PCB 1248 WB UH21/W PCB 124 WB UH21/W PCB 124 WB UH21/W PCB 124 WB UH21/W PCB 1260	WB 8080/W 2,2-bis(p-Chlorophenyl)-1,1,1-drichloroethane WB 8080/W 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane WB 8080/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane WB 8080/W Aldrin WB 8080/W bcla-Benzene hexachloride WB 8080/W bcla-Benzene hexachloride WB 8080/W dcla-Benzene hexachloride WB 8080/W Endosulfan I WB 8080/W Endosulfan I WB 8080/W Endosulfan I WB 8080/W Endrin WB 8080/W Heptachlor epoxide WB 8080/W Heptachlor epoxide WB 8080/W Mchoxychlor WB 8080/W PCB 1221 WB 8080/W PCB 1242 WB 8080/W PCB 1242 WB 8080/W PCB 1248 WB 8080/W PCB 1248 WB 8080/W PCB 1248 WB 8080/W PCB 1248 </td

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Meas. <u>Bool</u>	QN	: בר בר	: מממ	ובבב	5555		222222	
od/ x Analyte Description	' Toxaphene	 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 			w-		V PCB 1232 V PCB 1242 V PCB 1248 V PCB 1248 V PCB 1254 V PCB 1260 V Toxaphene	V 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride bota-Benzene hexachloride bota-Benzene hexachloride beta-Benzene hexachloride benzene beta-Benzene hexachloride benzene ben
Method/ Matrix Analyte Description	8080/W Toxaphene	UH21/W 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane UH21/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane UH21/W 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene UH21/W Aldrin					UH21/W PCB 1232 UH21/W PCB 1242 UH21/W PCB 1248 UH21/W PCB 1254 UH21/W PCB 1260 UH21/W Toxaphene	UH21/W 2.2-bis(p-Chlorophenyl)-1,1,1-trichloroethane UH21/W 2.2-bis(p-Chlorophenyl)-1,1-dichloroethane UH21/W 2.2-bis(p-Chlorophenyl)-1,1-dichloroethane UH21/W alpha-Benzene hexachloride UH21/W alpha-Benzene hexachloride UH21/W beta-Benzene hexachloride UH21/W Endosulfan II UH21/W Endosulfan II

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Unit Meas	150 150 150 150 150	700 700 700 700 700 700 700	ner	ngr ngr	ngr ngr	UGL	1500 1500 1500 1500 1500 1500 1500 1500
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Meas. <u>Bool</u>	:::::::::::::::::::::::::::::::::::::	599999999	r ₁	נד נד	נז נז	LT	22222222222
Method/ Matrix Analyte Description	UH21/W Endrin UH21/W Endrin UH21/W ENDRNK UH21/W gamma-Chlordane UH21/W Heptachlor UH21/W Lindane UH21/W Lindane		TY03/W Cyanide (as free Cyanide)	TY03/W Cyanide (as free Cyanide) TY03/W Cyanide (as free Cyanide)	TY03/W Cyanide (as free Cyanide) TY03/W Cyanide (as free Cyanide)	TY03/W Cyanide (as free Cyanide)	UM05/W 1,1,1-Tricklorocthane UM05/W 1,1,2,2-Tetrachlorocthane UM05/W 1,1,2-Tricklorocthane UM05/W 1,1-Dichlorocthane UM05/W 1,1-Dichlorocthane UM05/W 1,2-Dichlorocthane UM05/W 1,2-Dichloropropane UM05/W 2-Butanone UM05/W 2-Hexanone UM05/W Acctone UM05/W Acctone UM05/W Benzene
	UH2 UH2 UH2 UH2 UH2 UH2 UH2 UH2	0112 0112 0112 0112 0112 0112	TY0	0YT 0YT	TY0 TY0	TY0	
Inst. Code	WB WB WB WB WB WB	WB WB WB WB WB WB	WB	WB WB	WB WB	WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W

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Unit <u>Meas</u>	150 150 150 150 150 150 150 150 150 150	190 190 190 190 190 190 190 190 190 190
Conc.	20222202222222222222222222222222222222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Meas. Bool	222222222222222222222222222222222222222	9999999999999999999
Analyte Description	Bromoform Bromomethane C13DCP Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorocthane Chlorocthane Chlorocthane Chloromethane cis-1,2-Dichlorocthene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methyl isobutyl ketone T13DCP Tetrachlorocthene T13DCP Tetrachlorocthene Toluene Trans-1,2-Dichlorocthene Toluene Trans-1,2-Dichlorocthene	1,1,1-Trichlorocthane 1,1,2,2-Tetrachlorocthane 1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 2-Butanone 2-Butanone Branne Branne Branne Branne Branne Branne Branne Branne Branne Branne Cathor disulfide Cathon disulfide Cathon tetrachloride Chlorocthane Chlorocthane
Method/ Matrix	UM05/W UM05/W	UM05/W 1 UM05/W 1 UM05/W 1 UM05/W 1 UM05/W 1 UM05/W 2 UM05/W C UM05/W C UM05/W C
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB WB WB WB WB WB WB WB W

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Unit <u>Meas</u>	1500 1500 1500 1500 1500 1500 1500 1500	
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Meas. <u>Bool</u>	222222222222	222222222222222222222222222222222222222
Analyte Description	Chloroform Choromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Styrene T13DCP Tetrachloroethene T oluene Trichloroethene Trichloroethene Trichloroethene Trichloroethene	1,1,1-Trichlorocthane 1,2,2-Tetrachlorocthane 1,1,2,2-Trichlorocthane 1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 2-Butanone 2-Butanone 3-Hexanone Acctone Benzene Bromodichloromethane Bromoform Bromonethane ClabCP Carbon disulfide Carbon tetrachloride Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chlorocthane Chloromethane cis-1,2-Dichlorocthene Dibromochloromethane cis-1,2-Dichlorocthene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methylene chloride Styrene
Mcthod/ Matrix	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W UM05/W
Inst. Code	WB WB WB WB WB WB WB WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W

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Data Quals					
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Unit <u>Meas</u>	790 790 790 790 790	150 150 150 150 150 150			ngr
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Analyte Description	T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1,1,1-Trichlorocthanc 1,1,2,Tetrachlorocthanc 1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthene 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane	2-Butanone 2-Hexanone Acetone Benzene Gromodichloromethane Bromoform Bromonethane	C13DCP Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorochane Chlorochene Chloromethanc cis-1,2-Dichlorochene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone T13DCP Tetrachlorochene Toluene Trans-1,2-Dichlorochene Trichlorochene Trichlorochene	Xylenes (total)
Method/ Matrix	UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB	WB WB WB WB WB	WB WB WB WB WB WB WB WB WB WB WB WB WB W	MB MB

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Unit <u>Meas</u>	1500 1500 1500 1500 1500 1500 1500 1500	100 100 100 100 100 100 100 100 100 100
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Analyte Description	1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropane 2-Ditanone 2-Hexanone Acetone Bruzene Bromodichloromethane Bromodichloromethane Bromomethane C13DCP Carbon disulfide Carbon tetrachloride Chloroethane Tichloroethene Tichloroethene Trichloroethene Trichloroethene	1.1.1-Trichloroethane 1.1.2.2-Tetrachloroethane 1.1.2-Trichloroethane 1.1.Dichloroethane 1.1-Dichloroethane 1.2-Dichloroethane 1.2-Dichloroethane 1.2-Dichloropropane 2-Butanone
Method/ Matrix	UM05/W UM05/W	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W
Inst. Code	WB WB WB WB WB WB WB WB WB WB WB WB WB W	WB WB WB WB WB WB

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Unit <u>Meas</u>	750 750 750 750 750 750 750 750 750	1500 1500 1500 1500 1500 1500 1500 1500	790 790 790 790 790 790 790 790 790 790
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Meas. Bool	22222222222	999999999999999	222222222222222222222222222222222222222
Analyte Description	2-Hexanone Acetone Benzene Bromodichloromethane Bromonform Bromomethane C13DCP Carbon disulfide Carbon tetrachloride Chlorobenzene	Chlorocthane Chloroethene Chloroethene Chloromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Styrene T 13DCP	1,2,4-Trichlorobenzene 1,2-Diehlorobenzene 1,3-Diehlorobenzene 1,4-Diehlorophenol 2,4-S-Trichlorophenol 2,4-Diinethylphenol 2,4-Diintrophenol
Method/ Matrix	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W	UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W UM06/W
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Analyte Description	3.3-Vitrophenol 3.3-Vicidiotoobenzidine 3.3-Vicidiotoobenzidine 3.3-Vicidiotoobenzidine 4-Briticaniline 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloroophenyl Ether 4-Chloroophenylphenyl Ether 4-Methylphenol 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Vicidiophenol 4-Nitroaniline 4-Nitroaniline 4-Chloroophenylphenol 4-Nitroaniline 4-Chloroophenylphenol 4-Nitroaniline 4-Chloroophenylphenol 4-Nitroaniline 4-Chloroophenylphenol 4-Nitroaniline 4-Chroroophylphenol 4-Nitroaniline 4-Chroroophylphenol 4-Nitroaniline 6-Chrysene 6-Chryene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chryene 6-Chrysene 6-Chryene 6-Chrysene 6-Chryene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chryene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene 6-Chrysene	N-Nitrosodiphenylamine
Analyte D	2-Nitrophenol 3,3'-Dichlorobenzidine 4-Bromophenyl phenyl of 4-Chloro-3-cresol 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline 4-Nitroaniline 6-Totalone Benzo(a)anthracene Benzo(a)anthracene Benzo(a)anthracene Benzo(a)anthracene Benzo(a)prene Bis(2-chloroethylatlate Dibenzo(a)prene Hexachlorobenzene Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi Hexachlorocyclopentadi	N-Nitrosodir
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Meas. Bool	2 2 2 2 2 2	222222222222222222222222222222222222222
Analyte Description	Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phrool Pyrene UNK515 UNK626 UNK633 UNK639 UNK640 UNK641 UNK641 UNK641 UNK641 UNK643	1.2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 3,2-Dimtrophenol 2-Methylapthenol 2-Methylapthenol 2-Methylapthenol 3-Methylaphenol 3-Nitrophenol 3,3-Dichlorobenzidine 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chloro-3-cresol
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Analyte Description	4-Nitrophenol Acenaphthene Acenaphthylene Anthracene B2CIPE Berzo(a)parthracene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Berzo(a)pyrene Bis(2-chloroathyleher Bis(2-chloroathylpthalate Bis(2-chloroathylpthalate Bis(2-chloroathylpthalate Bis(2-chloroathylpthalate Diberzofuran Di-n-butyl phthalate Di-n-octyl phthalate Di-n-octyl phthalate Di-n-octyl phthalate Di-n-octyl phthalate Di-n-octyl phthalate Di-n-octyl phthalate Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene Bis(2-chloroathene) Bis(2-c	Pyrene UNK517 UNK518 UNK526
Method/ Matrix	MY90MU MY90MU	UM06/W UM06/W UM06/W
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Analyte Description	UNK534 UNK532 UNK554 UNK571 UNK581 UNK581	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dichlorophenol	2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.6-Dinitrophenol 2.6-Dinitrophenol 2.Methylapthalene 2.Methylapthalene 2.Methylapthalene 2.Methylphenol 3.4-Dichlorobenzidine 3.4-Dichlorobenzidine 4-Bromophenyl phenyl ether 4-Echlorophenyl phenyl ether 4-Chlorophenylphenol 4-Nitroaniline 4-Chlorophenylphenol 4-Nitroaniline 6-Chlorophenylphenol Antirophenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenylphenol 6-Chlorophenol 6-Ch
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Unit <u>Meas</u>		150 150 150 150 150 150 150
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Analyte Description	Benzoic acid Benzopyrene Benzyl Alcohol beta-Chloronaphthalene Bis(2-chlorocthoxy) methane Bis(2-chlorocthoxy) methane Bis(2-chlorocthoxy) phalaite Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Bis(2-chlorocthyl)cther Din-octyl phthalate Din-octyl phthalate Din-octyl phthalate Din-octyl phthalate Bioroctan Dincutlyl phthalate Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone Nivitrosodiphenylamine Nivitrosodiphenylamine Nitrobenzene Pentachlorophenol Phenol Phenol Pyrene UNK516 UNK526 UNK526	1,2.4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol
Method/ <u>Matrix</u> Aı	UMO6/W Bis UMO6/W Bis UMO6/W Bis UMO6/W Bis UMO6/W Bis UMO6/W Dis UMO6/W Dis UMO6/W File UMO6/W US	UM06/W 1,2 UM06/W 1,3 UM06/W 1,4 UM06/W 2,4 UM06/W 2,4
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Analyte Description	2,4-Dimethylphenol 2,4-Dimitrophenol 2,4-Dimitrotoluene 2,6-Dimitrotoluene	2-Vachylagon 2-Methylagotalon 2-Methylnapthalene 2-Methylphenol 2-Nitroaniline	2-Nitrophenol 3,3-Dichlorobenzidine 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chloro-3-cresol	4-Chlorophenylphenyl Ether 4-Methylphenol 4-Nitroaniline Accraphthene	Accnaphthylene Anthracene B2CIPE Berzo(a)authracene Berzo(a)ayrene Berzo(g,h,i)perylene Berzo(k,fluoranthene Berzoic acid Berzoic acid Berzyl Alcohol	beta-Chloronaphthalene Bis(2-chlorocthoxy) methane Bis(2-chlorocthyy)chter Bis(2-chlorocthyy)chthalate Butyl benzyl phthalate Chrysene Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Dibenzofuran Dibenzyofuran Diethyl phthalate Diethyl phthalate
Method/ Matrix	UM06/W UM06/W UM06/W UM06/W	M/90MU M/90MU M/90MU	UM06/W UM06/W UM06/W UM06/W	UM06/W UM06/W UM06/W	UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W	UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W UMO6/W
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Conc.	200000000000000000000000000000000000000	200000000000000000000000000000000000000
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Analyte Description	Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodi-n-propylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol Phenol Pyrene UNK526	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,-Mittyl-4,6-dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Methyl-4,6-dinitrophenol 3,1-Dichlorobenzidine 2-Nitrophenol 3,1-Dichlorobenzidine 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chloro-3-cresol 4-Chloro-3-cresol 4-Chlorophenyl phenyl Ether 4-Methylphenol 4-Nitroaniline
Method/ Matrix	M/90MU M/	0,000,000 0,000,000
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Analyte Description	4-Nitrophenol Acenaphtthene Acenaphttylene Anthracene B2CIPE Benzo(a)pyrene Benzo(a)pyrene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Benzo(b,hi)pcrylene Bis(2-chlorocthoxy) methane Bis(2-chlorocthoxy) methane Bis(2-chlorocthoxy) methane Bis(2-chlorocthy)phthalate Di-n-octyl phthalate Hexachlorobenzene Hexachlorobuadiene Hexachlorobuadiene Hexachlorobuadiene Hexachlorobuadiene Hexachlorobuadiene Hexachlorobuadiene Hexachlorophenol N-Nitrosodiphenylamine N-Nitrobenzene Pentachlorophenol Phenathlorophenol Phenathloropenzene Pentachlorophenol Phenathloropenzene Phenathloropenzene Pyrene	1,2-Dichlorobenzene
Method/ Matrix	UM06/W Um06/W Um	UM06/W
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Analyte Description	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dimitrophenol	2.4-Dinitrololuene 2.6-Dinitrololuene 2.6-Dinitrololuene 2.Chlorophenol 2-Methyl-4,6-dinitrophenol 2-Methylphenol 2-Nitrophenol 3.9-Dichlorobenzidine 3.9-Dichlorobenzidine 3-Nitroaniline 4-Chloro-3-crasol 4-Chloro-3-crasol 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline Anthylphenol Acenaphthylene Acenaphthylene Anthracene BEZCIPE BERZO(a)anthracene Berzo(a)anthracene Berzo(a)anthracene	Benzok (Silvoranthene Benzok (Silvoranthene Benzok (Silvoranthene Benzol acid Benzyl Alcohol beta-Chloronaphthalene Bis(2-chlorocthoxy) methane Bis(2-chlorocthyl)chter Bis(2-chlorocthyl)chter Chrysene Chrysene Di-n-butyl phthalate
Method/ <u>Matrix</u> Analyte Description		UM06/W 2,4-Dinitrotoluene UM06/W 2,6-Dinitrotoluene UM06/W 2-Methyl-4,6-dinitrophenol UM06/W 2-Methyl-4,6-dinitrophenol UM06/W 2-Methyl-4henol UM06/W 2-Methyl-4henol UM06/W 2-Nitrophenol UM06/W 2-Nitrophenol UM06/W 2-Nitrophenol UM06/W 4-Bromophenyl phenyl ether UM06/W 4-Chlorophenyl phenyl ether UM06/W 4-Chlorophenyl phenyl ether UM06/W 4-Chlorophenylphenol UM06/W 4-Chlorophenylphenol UM06/W 4-Nitrophenol UM06/W Acenaphthylene UM06/W Acenaphthylene UM06/W Acenaphthylene UM06/W Berzo(a)anthracene UM06/W Berzo(a)anthracene UM06/W Berzo(a)anthracene UM06/W Berzo(a)phreviene	

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Analyte Description	Dibenz(a,h)anthracene Dibenzofuran Diethyl phthalate Dimethyl phthalate Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Nexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodi-n-propylamine N-Nitrosodi-phenylamine N-Nitrosodi-phenylamine Phenanthrane Phenanthrane Phenanthrane	1,2,4-Trichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,5-Dinitrophenol 3,3-Methylphenol 2-Methylphenol 2-Methylphenol 3,3-Methylphenol 3,3-Dichlorobenzidine 4-Rromophenyl phenyl ether 4-Chloro-3-eresol 4-Chloro-3-eresol
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Analyte Description	4-Chlorophenylphenyl Ether 4-Methylphenol 4-Nitroaniline 4-Nitroaniline 4-Nitrophenol Acenaphthylene Accnaphthylene Berizo(a)anthracene Berizo(a)anthracene Berizo(a)pyrene Berizo(a)pyrene Berizo(b)pyrene Berizo(b)pyrene Berizo(b)pyrene Berizo(b)pyrene Berizo(ch)pyrene Berizo(ch)pyrene Berizo(ch)pyrene Berizo(ch)pyrene Berizo(b)phranthene Berizo(ch)phranthene Berizo(ch)phranthene Bis(2-chloroaphthalate Bis(2-chloroathyl)phthalate Bis(2-chloroathyl)phthalate Distrochlorocthylphthalate Dienzofuran Dienzofuran Dienzofuran Dienzofuran Dienzofuran Hexachlorocyclopentadiene Hexachlorocthane Hexachlorocthane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodiphenylamine N-Nitrosodiphenylamine Naphthalaene Nitrobenzene Pentachlorocphenol	Phenol Pyrene
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hod/ <u>rix Analyte Description</u>	/W Antimony /W Barium /W Beryllium /W Cadmium (Total) /W Chomium (Total) /W Copper /W Copper /W Load /W Nickel /W Solenium /W Thallium /W Zinc	W Antimony W Barium W Beryllium W Cadmium W Chromium (Total) W Copper W Copper W Copper W Copper W I Lead W Nickel W Sclenium W Thallium W Zinc	W Antimony W Barium W Beryllium W Cadmium W Chromium (Total) W Copper W Copper W Lead W Nickel W Sclenium W Thallium W Zinc	W Antimony W Barium W Beryllium
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hod/ rix Analyte Description	//W Cadmium (Total) //W Chromium (Total) //W Cobalt //W Copper //W Lead //W Nickel //W Sclenium //W Thallium //W Zinc	i/W Antimony i/W Barium i/W Beryllium i/W Cadmium i/W Chromium (Total) i/W Copper i/W Lad i/W Lad i/W Nickel i/W Selenium i/W Thallium i/W Thallium	W Antimony SW Barium SW Beryllium SW Cadmium Chomium (Total) SW Coper SW Copper SW Copper SW Lead SW Selenium SW Yikel	5/W Antimony 5/W Barium 5/W Beryllium 6/W Cadmium 6/W Chromium (Total) 6/W Cobalt
Method/ Matrix	SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W	SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W	SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W	SS15/W SS15/W SS15/W SS15/W SS15/W SS15/W
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Mcas.	ממממממ	::::::::::::::::::::::::::::::::::::::	11 11 11
tod/ ix Analyte Description	Copper Lead Nickel Selenium Thallium Zinc	W 2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1,1-dichlorocthane W 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthene M Addin Addin Aldrin Addin Alpha-Chlordane W alpha-Benzene hexachloride W befa-Benzene hexachloride W bieldrin Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II W Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II W Endosulfan II W Endosulfan II W Endosulfan II Endosulfan II Endosulfan II W Endosulfan	
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Analyte Description	delta-Benzene hexachloride Dieldrin Endosulfan I Endosulfan II Endosulfan II Endosulfan II Endrin En	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride bieldrin Endosulfan II Endosulfan II Endosulfan II Endosulfan Sulfate Endrin Endosulfan Heptachlor Heptachlor epoxide Lindane Methoxychlor PCB 1016
Method/ Matrix	UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W	UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W

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Analyte Description	PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260 Toxaphene	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane	ocila-Benzene hexachloride Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate	Endrin ENDRNK gamma-Chlordane Heptachlor Heptachlor epoxide Lindane Methoxychlor PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1242 PCB 1248 PCB 1248 PCB 1248	Mercury Mercury
Method/ <u>Matrix</u>	UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W	UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W	0421/W 0H21/W 0H21/W 0H21/W	UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W UH21/W	SB07/W
Inst. Code	WB WB WB WB WB WB	WB WB WB WB WB	WB WB WB WB	% % % % % % % % % % % % % % % % % % %	WB WB

Analyte Description Method/ Matrix Inst. Code

Records printed: ***

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Flag Codes Unit Meas

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Data Quals

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A P P E N D I X G-3 VALIDATION REPORT

DATE:

October 13, 1994

TO:

Kevin McCreanor

FROM:

Lisa Armstrong

SUBJECT:

Data Validation

Woodbridge Research Facility

Woodbridge, Virginia

OVERVIEW: Environmental samples (groundwater, sediment/soil) were collected for the purpose of conducting a Site Inspection (SI) and Remedial Investigation (RI), at the Woodbridge Research Facility. The SI/RI was required as part of the Army Installation Restoration Program. Samples were collected from April through August, 1994.

You requested that ten percent of the total samples collected be validated. A total of 36 chemical analytical lots were reviewed, which represents 120 samples. The following chemical analytical lots were validated: Metals (ETG, ESQ, ESF, ESR, EFK, EWM, EFI, ESS, ETF, ESI, HNU, IQN, EWA, EVF, EVY, ESJ, EVT, ESK, ESG, EVE, ETE, ETC, ESH, IJP, EFJ, EFL, EWO, EWN, EVX, EWL), Pesticide/PCB (HPK, ILT), Cyanide (IMF, HSA), VOA (HOK) and SVOA (HDW). The samples were analyzed as per the chain of custody (COC) forms for volatile organics, semivolatile organics, pesticide/PCB, metals and cyanide.

Pace Laboratories, Incorporated, in Minneapolis, Minnesota performed all of the analyses. The analyses were performed in accordance with SW-846 and USAEC approved methodologies. Procedures for data validation were performed in accordance with the June 1992 "the Region III Modifications to National Functional Guidelines for Organic Data Review Multi-Media, Multi Concentration", and June 1991 "Laboratory National Functional Guidelines for Evaluating Inorganic Analyses".

The following sections address the subset of validated data only.

SUMMARY: All of the samples reviewed were preserved, were applicable, and received by the laboratory in good condition.

BLANKS: Tentatively Identified Compounds (TICs) were detected in the SVOA method blank as unknowns in lot HDW. Several of the TICs detected in the method blank were also detected in samples associated with this lot.

Arsenic was detected in both the preparation and initial calibration blank of lot EFL. However, no action was required because arsenic was not detected in any of the samples.

Lead was detected in the method blank of lots EVX and EWL. All values were greater than five times the amount detected in the method blank. Therefore, no qualifiers were applied.

Arsenic was detected in the rinse blank associated with samples in lot ESJ. Samples 07BH0105, 07BH0106 and 07BH0107 were affected at less than five times the amount detected in the rinse blank and have been qualified U.

Arsenic was detected in the rinse blank associated with samples in lot ESK. Samples 07BH0207 and 07BH0205 were affected at less than five times the amount detected in the rinse blank and have been qualified U.

Arsenic was detected in the method blank of lot ESG. However, no action was required because arsenic was not detected in any of the samples.

Lead was detected in the rinse and preparation blank associated with samples in lot EVE. All samples were affected at less than five times the amount detected in the associates blanks and have been qualified U.

Lead was detected in the preparation blank of lot EVF. All values were greater than five times the amount detected in the preparation blank. Therefore, no qualifiers were applied.

No common laboratory contaminants or target compounds were detected in any laboratory or field blanks analyzed for VOAs, Cyanide or SVOAs.

CALIBRATION: All tuning criteria for GC/MS analyses met the requirements. The initial and continuing calibrations for the analyses of SVOA and VOA met the specified requirements.

The initial and continuing calibrations for both the primary and secondary columns used for pesticides/PCB analyses met all requirements.

Instrument calibration and calibration verification for the analyses of metals met all requirements. All calibration criteria was inferred from AEC acceptance of the data; raw data were not reviewed.

HOLDING TIMES: All holding time requirements were met for the requested analyses.

LABORATORY DUPLICATES: The Relative Standard Deviation (RSD) exceeded control limits of 20% for samples 21BH0402 and 12BH0205 in lot ESF. Values greater than Contract Required Detection Limit (CRDL), have been qualified J. Sample 21BH0402 was affected.

FIELD DUPLICATES: No field duplicates were included with the validated lots.

SPIKES: All surrogate spikes were within the required control limits for the analysis of VOA, SVOA, and Pesticide/PCB.

Although the Laboratory Control Sample (LCS) was within acceptable limits, due to low matrix spike recoveries in lots EWM and EFK, all positive values for lead, selenium, and thallium have been qualified J and non-detects have been qualified UJ.

TICs: Several unknown compounds were tentatively identified in the SVOA lot. All TIC concentrations were estimated.

CONCLUSION: In conclusion, the validated data can be considered to be useable within the constraints of the assigned qualifiers.

DATE:

February 25, 1994

TO:

Kevin McCreanor

FROM:

Judy Solomon Q

SUBJECT:

Data Validation

Woodbridge Research Facility

Woodbridge, Virginia

OVERVIEW: Environmental samples (groundwater, sediment/soil) were collected for the purpose of conducting a Site Inspection (SI) and Remedial Investigation (RI), at the Woodbridge Research Facility. The SI/RI was required as part of the Army Installation Restoration Program. Samples were collected in September and October, 1993.

Ten percent of the total samples collected required contractor data validation. Therefore, three analytical lots were validated, i.e. IEQ (VOA), HDL (SVOA) and IKT(pesticides/PCBs). A total of 16 samples were validated. The samples were analyzed as per the chain of custody forms (COC) for VOAs, SVOAs, and pesticides/PCBs. In addition to these analyses, metal and TPH analyses were used to further characterize the samples, but contractor data validation was not performed for those analytical lots.

Pace Laboratories, Incorporated, in Minneapolis, Minnesota performed all of the analyses. All analyses validated were carried out using USAEC approved methodologies. Procedures for data validation as outlined in "The Region III Modifications to National Functional Guidelines for Organic Data Review Multi-Media, Multi Concentration", June 1992, were followed. Pesticides/PCBs were validated using "The Region III Modifications to National Functional Guidelines for Pesticides/Aroclor Data Review", May 1993.

SUMMARY: All of the validated samples were preserved were applicable, and received by the laboratory in good condition.

BLANKS: Tentatively Identified Compounds (TICs) were detected in the SVOA method blank of lot HDL. One of the TICs detected in the SVOA method blank, 2-cylohexen-1-one, was a byproduct of the methylene chloride solvent preservative. This compound was also detected as TICs in 2 other samples in the same lot.

VOA analyses did not detect any contaminants in the trip blank and the ambient blank. No common laboratory contaminants or target compounds were detected in the VOA or SVOA lanks.

CALIBRATION: All tuning criteria for GC/MS analyses met the requirements. Initial calibrations and continuing calibrations met the requirements for the SVOA lot.

The VOA initial calibration had 2 compounds (acetone and chloromethane) that did not meet the %Relative Standard Deviation (%RSD) criteria. Although acetone was detected in sample 11SW0101, these 2 compounds were not qualified due to historically exhibited erratic response. In addition, the continuing calibration for chloromethane had a %difference (%D) which was much greater than 50% (65%). Chloromethane was not detected in any samples from this lot. Again, due to historically exhibited erratic response, the affected samples were not qualified for the undetected chloromethane.

The initial and continuing calibrations for both the primary and secondary columns used for pesticides/PCB analyses met all requirements.

HOLDING TIMES: Pesticide samples in lot HKT were extracted one day out of holding time. Since this was not considered to be a gross violation, no qualification of the data was based on the missed extraction holding time. All other samples met the holding time requirements.

LABORATORY DUPLICATES: All laboratory duplicates were within the required relative percent difference (RPD) limits.

FIELD DUPLICATES: No field duplicates were included with the lots validated.

SPIKES: All surrogate spikes were within the required control limits for VOA analyses with the exception of sample 14SW0101. All three surrogates exceeded the upper control limits. The laboratory analysts and the laboratory supervisor suspected that the analyst injected a higher concentration of each of the surrogates than was required. Since no target compounds were detected, qualification of these samples was unnecessary.

LABORATORY CONTROL SAMPLES: All laboratory control samples were within the required control limits.

TICs: All 5 samples in the SVOA lot had a numerous amount of TICs, ranging from 13 to 100. Most of these TICs could not be identified. One sample had a compound (4-methyl-3-penten-2-one) that could be attributed to the aldol condensation of acetone. All TIC concentrations were estimated.

CONCLUSION: In conclusion, the data validated in these three lots can be considered to be useable within the constraints of the assigned qualifiers.

Two attachments are included with this report, Appendix A and Appendix B. Appendix A contains a list of the data qualifiers and their definitions. Appendix B contains the Data Summary Forms.

DATE: July 27, 1995

To: Brendan McGuinness

FROM: Lisa Armstrong

SUBJECT: Data Validation

Woodbridge Research Facility, Woodbridge, Virginia

OVERVIEW: Environmental samples (groundwater, sediment/soil) were collected for the purpose of conducting a Site Inspection (SI) and Site Characterization Report (SCR), at the Woodbridge Research Facility. The SI/SCR was required as part of the Army Installation Restoration Program. Samples were collected April, 1994 thru April, 1995.

Provided for your review is the Non Thama Approved Methods (NTAM) data validation. The analyses were performed in accordance with SW-846 methods. A total of 85 samples were validated. The samples were analyzed as per the chain of custody (COC) forms for arsenic, selenium, lead, antimony and thallium. Procedures for data validation were performed in accordance with the June 1991 Modifications to the "National Functional Guidelines for Evaluating Inorganic Analyses".

The findings are based upon a review of all available data, including blank results, matrix spike and matrix spike duplicate results, calibration standards and spike recoveries. Areas of concern with respect to data quality and usability, are listed below.

SUMMARY: All of the validated samples were preserved, where applicable, and received by the laboratory in good condition.

BLANKS: No analytes were detected in the method or field blanks.

CALIBRATION: Instrument calibration and calibration verification for the analyses of metals met all requirements.

HOLDING TIMES: All holding time requirements were met for the requested analyses.

LABORATORY DUPLICATES: The Relative Standard Deviation (RSD) was within the required control limit.

FIELD DUPLICATES: Field duplicate Relative Percent Differences (RPD) were evaluated. The RPD's for both water and soil samples were within control limits. However soil duplicate results exhibited a greater variance than water matrices due to difficulties associated with collecting identical field samples.

SPIKES: Although the Laboratory Control Sample (LCS) was within acceptable limits, due to low matrix spike and analytical spike recoveries in lot EFO, all positive values for thallium have been

qualified J, and non-detects have been qualified UJ.

CONCLUSION: In conclusion, the validated data can be considered to be useable within the constraints of the assigned qualifiers.

A P P E N D I X G-4 CONTROL CHART EXAMPLES



June 30, 1995

U.S.ARMY ENVIRONMENTAL CENTER

Attn.: SFIM-AEC-IRG

Building E4480

Aberdeen Proving Grounds Edgewood Area, MD 21010

Enclosed is the quality control reports for analysis performed during the time period of May 14, 1995 to June 26, 1995.

INSTALLATION	CONTRACT NUMBER		
Alabama Army Ammunition Plant	(DAAA15-91-D-0017) Ms. Sheila Maguire		
Woodbridge Research Facility	(DAAA15-91-0009) Mr. Keith Schenkel		
Twin Cities Army Ammunition Plant (TC)	(DAAA09-91-Z-0002) Ms. Ruth Lewis		

If there are any questions on this submission, please contact Minh Nguyen at (612) 525-3466.

Sincerely,

Minh Nguyen

Laboratory Quality Assurance Coordinator

cc:

Ms. Ruth Lewis, Conestoga Rovers Associates

Ms. Sheila Maguire, Science Applications International Corporation

Ms. Kathy Janiga, Earth Technology

Mr. Jeffrey Waugh, USAEC

Mr. Pete Rissell, USAEC

Mr. William H. Scruton, PACE Inc.

Mr. Joseph W. Novotny, PACE Inc.

USAEC LOTS ANALYSIS TABLE

METHOD	LOT ID	INSTALLATION	PRIMES	ANALYSIS	ANALYSIS DATE
JB06	HTI	AL	SA	HG	6/22/95
JB06	HTJ	AL	SA	HG	6/23/95
JS14	HRK	AL	SA	ICP METAL	6/20/95
JS14	HRM	AL	SA	ICP METAL	6/19/95
JS14	HRQ	AL	SA	ICP METAL	6/19/95
JS14	HRR	AL	SA	ICP METAL	6/26/95
LM30	HUE	AL	SA	BNA	6/15/95
SS15	IRC	WB	EY	ICP METAL	5/15/95
					eriori Er
UG03	IZY	TC	CR	GC-VOA	6/17/95
UH21	JCH	AL	SA	PEST/PCB	6/6/95
UH21	JCI	AL	SA	PEST/PCB	6/16/95
UH21	JCJ	AL	SA	PEST/PCB	6/17/95
ID 405	DID				
UM05	INR	WB	EY	GC/MS VOA	5/14/95
UM05	INS	AL	SA	GC/MS VOA	5/30/95
UM05	INT	AL	SA	GC/MS VOA	6/12/95
U M 05	INU	AL	SA	GC/MS VOA	6/16/95
JM05	INV	AL	SA	GC/MS VOA	6/20/95

				PRIME	ANALYSIS
MEMMOD	ANALYSIS	LOT	INSTALLATION	CONTRACTOR	DATE
METHOD	HG	HTI	AL	SA	06/22/95
JB06	n.G	HTJ	AL	SA	06/23/95

The control chart submittal date is June 30, 1995.

TREND ANALYSIS

All control charts are trend free.

OUT-OF-CONTROL ANALYSIS

The following analyte contained a point outside the UCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	UCL
HG	HTJ	107.0	106.3

The following analyte contained a point outside the UCL in the three-day x-bar range charts:

ANALYTE	LOT	RECOVERY	UCL
HG	HTI	19.5	17.5

SUMMARY RECOMMENDATION

For lots HTI and HTJ, the calibration standards met the QC requirements of the program. The out of control situation should have negligible affect on the quality of the data. Lots HTI and HTJ should be accepted.

METHOD	ANALYSIS	LOT	INSTALLATION	PRIME CONTRACTOR	ANALYSIS DATE
JS14	ICP METAL	HRK	AL	SA	$06\overline{/20/95}$
		HRM	AL	SA	06/19/95
		HRQ	AL	SA	16/19/95
		HRR	AL	SA	06/26/95

The control chart submittal date is June 30, 1995.

The following analytes contained points classified as outliers in the three-day x-bar charts:

ANALYTE	LOT
CO	HRK
CU	HRK
NI	HRK
NI	HRQ
CU	HRR
NI	HRR

TREND ANALYSIS

The following analytes contained seven successive points below the central line in the three-day x-bar charts:

BEGIN LOT	END LOT	NUMBER OF POINTS
HRH	HRK	7
HRC	HRK	18
HRC ·	HRQ	21
	LOT HRH HRC	LOT LOT HRH HRK HRC HRK

The following analytes contained seven successive points above the central line in the single-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	NUMBER OF POINTS
CD	HRJ	HRO	8
BA	HRC	HRR	20
SB	HRB	HRR	16

The following analytes contained seven successive points below the central line in the single-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	NUMBER OF POINTS
CR	HRI	HRQ	9
SE	HRJ	HRQ	7

OUT-OF-CONTROL ANALYSIS

The following analytes contained points outside the UCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	UCL
CD	HRK	120.0	109.9
CD	HRM	110.0	109.9
CR	HRM	145.0	139.5
PB	HRM	105.0	104.3
PB	HRR	114.5	104.3
SE	HRR	115.2	104.3

The following analytes contained points outside the LCL in the three-day x-bar charts:

LOT	RECOVERY	LCL
HRK	85.0	92.0
HRK	82.0	93.9
HRK	86.0	89.2
HRQ	89.0	93.9
HRQ	92.5	94.9
HRR	88.0	93.9
	HRK HRK HRK HRQ HRQ	HRK 85.0 HRK 82.0 HRK 86.0 HRQ 89.0 HRQ 92.5

The following analytes contained two consecutive points between the LCL and LWL in the three-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	RECOVERY	LCL	LWL	NUMBER OF POINTS
CO	HRR	HRQ	93.0	92.0	94.1	2
NI	HRR	HRQ	90.0	89.2	92.0	2

The following analytes contained points outside the UCL in the three-day x-bar range charts:

ANALYTE	LOT	RECOVERY	UCL
CR	HRK	95.0	60.8
SE	HRK	25.6	18.3
CÜ	HRM	14.0	7.7
CU	HRQ	13.0	7.7
PB	HRQ	22.0	11.8
SE	HRQ	21.2	18.3
CU	HRR	13.0	7.7
PB	HRR	18.5	11.8
SE	HRR	34.8	18.3

The following analytes contained points outside the UCL in the single-day x-bar charts:

ANALYTE	LOT	XBAR	UCL
CO	HRM	105.0	102.7
CU	HRM	103.6	100.4

The following analytes contained points outside the LCL in the single-day x-bar charts:

ANALYTE	LOT	XBAR	LCL
CO	HRK	93.9	94.5
\mathtt{TL}	HRK	91.6	91.9
MO	HRQ	93.3	93.6
TL	HRQ	90.4	91.9
ZN	HRQ	95.0	96.0
MO	HRR	93.1	93.6
NI	HRR	94.0	95.0
TL	HRR	90.6	91.9
ZN	HRR	95.7	96.0

SUMMARY RECOMMENDATION

For lot HRK, the calibration standards met the QC requirements of the program. Test name CR had a recovery of 95.0% outside the upper control limit in the three-day x-bar range chart. It was cause by a low recovery in the previous lot HRN. However, CR recovery in the three-day x-bar is within the control limits. Other out of control situations should have negligible affect on the quality of the data. Lot HRK should be accepted.

For lot HRM, the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lot HRM should be accepted.

For lot HRQ, the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lot HRQ should be accepted.

For lot HRR, the calibration standards met the QC requirements of the program. Test name SE had a recovery of 34.8% which is outside the upper control limit in the three-day x-bar range chart. It was cause by a low recovery in the previous lot HRO. Other out of control situations should have negligible affect on the quality of the data. Lot HRR should be accepted.

				PRIME	ANALYSIS
METHOD	ANALYSIS	LOT	INSTALLATION	CONTRACTOR	DATE
LM30	GC/MS SVOA	HUE	AL	SA	06/15/95

The control chart submittal date is June 30, 1995.

TREND ANALYSIS

All control charts are trend free.

OUT-OF-CONTROL ANALYSIS

The following analytes contained two consecutive points between the UCL and UWL in three-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	RECOVERY	UCL	UWL	NUMBER OF POINTS
PHEND5 NBD5	HUD	HUE	84.0 76.5	89.1 85.5	79.9 74.8	2 2

SUMMARY RECOMMENDATION

For lot HUE, the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lot HUE should be accepted.

10000				PRIME	ANALYSIS
METHOD SS15	ANALYSIS ICP METAL	LOT	INSTALLATION	CONTRACTOR	DATE
5515	ICF PEIAL	IRC	WB	EY	05/15/95

The control chart submittal date is June 30, 1995.

The following analyte contained a point classified as an outlier in the three-day x-bar charts:

ANALYTE	LOT
BE	IRC

TREND ANALYSIS

The following analytes contained seven successive points above the central line in the single-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	NUMBER OF POINTS
CU	IQP	IRC	21
TL	IQP	IRC	

OUT-OF-CONTROL ANALYSIS

The following analyte contained a point outside the UCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	UCL
NI	IRC	105.3	104 0

The following analytes contained points outside the LCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	LCL
BE	IRC	90.0	97.0
CD	IRC	90.0	92.1
CU	IRC	85.0	85.6
SB	IRC	69.0	70.2

The following analytes contained points outside the UCL in the three-day x-bar range charts:

ANALYTE	LOT	RECOVERY	UCL
BE	IRC	10.0	4.1
SE	IRC	50.0	35.3

The following analyte contained a point outside the UCL in the single-day x-bar charts:

ANALYTE	LOT	XBAR	UCL
NI	IRC	111.3	107.9

SUMMARY RECOMMENDATION

For lot IRC, the calibration standards met the QC requirements of the program. Test name SE had a recovery of 50.0% which is outside the upper control limit in the three-day x-bar range chart. It was cause by a high recovery in the previous lot IRA. Other out of control situations should have negligible affect on the quality of the data. Lot IRC should be accepted.

METHOD	3113711070			PRIME	ANALYSIS
UG03	GC VOA	$\frac{\texttt{LOT}}{\texttt{IZY}}$	INSTALLATION TC	CONTRACTOR	DATE 06/17/95
				•	00/1//

The control chart submittal date is June 30, 1995.

TREND ANALYSIS

The following analytes contained seven successive points above the central line in the single-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	NUMBER OF POINTS
11DCE	IZR	IZY	8
12DCLE	IZK	IZY	19
TCLEE	IZK	IZY	19
12DCE	IZK	IZY	19

OUT-OF-CONTROL ANALYSIS

The following analyte contained a point outside the UCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	UCL
111TCE	IZY	111.5	108.0

The following analytes contained points outside the UCL in the three-day x-bar range charts:

ANALYTE	LOT	RECOVERY	UCL
11DCE	IZY	28.5	23.4
TCLEE	IZY	20.0	18.5

The following analyte contained a point outside the LCL in the single-day x-bar charts:

ANALYTE	LOT	XBAR	LCL
TRCLE	IZY	105.7	107 4

The following analyte contained two consecutive points between the UCL and UWL in the single-day x-bar charts:

ANALYTE	BEGIN LOT	END LOT	XBAR		•	NUMBER OF
				UCL	UWL	POINTS
TCLEE	IZX					
10000	127	IZY	104.0	104.7	100.3	2

SUMMARY RECOMMENDATION

For lot IZY, the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lot IZY should be accepted.

				PRIME	ANALYSIS
METHOD	ANALYSIS	LOT	INSTALLATION	CONTRACTOR	DATE
UH21	PEST/PCB	JCH	AL	SA	06/06/95
		JCI	AL	SA	06/16/95
		JCJ	AL	SA	06/17/95

The control chart submittal date is June 30, 1995.

TREND ANALYSIS

The following analyte contained seven successive points below the central line in the three-day x-bar charts:

	BEGIN	END	NUMBER OF
ANALYTE	LOT	LOT	POINTS
ENDRN	ILY	JCJ	12

The following analytes contained seven successive points below the central line:

	BEGIN	END	NUMBER OF
ANALYTE	LOT	LOT	POINTS
AENSLF	ILS	JCJ	17
BENSLF	ILZ	JCJ	9

The following analyte contained five successive points going in an upward direction:

	BEGIN	END	NUMBER OF
ANALYTE	LOT	LOT	POINTS
ALDRN	JCG	JCJ	5

OUT-OF-CONTROL ANALYSIS

The following analytes contained points outside the UCL in the three-day x-bar charts:

LOT	RECOVERY	UCL
JCH	89.1	78.6
JCH	89.9	86.4
JCH	81.2	75.7
JCH	107.6	96.7
JCI	100.8	96.7
JCI	98.6	97.4
JCI	84.1	78.6
	JCH JCH JCH JCH JCI JCI	JCH 89.1 JCH 89.9 JCH 81.2 JCH 107.6 JCI 100.8 JCI 98.6

The following analyte contained a point outside the LCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	LCL
LIN	JCJ	63.6	63.7

The following analytes contained points outside the UCL in the three-day x-bar range charts:

ANALYTE	LOT	RECOVERY	UCL
HPCL	JCJ	25.6	23.7
LIN	JCH	22.1	19.8
LIN	JCI	22.1	19.8

The following analyte contained two consecutive points between the UCL and UWL:

ANALYTE	BEGIN LOT	END LOT	XBAR	UCL	UWL	NUMBER OF POINTS
ENDRN	ILW	ILV	83.5	88.8	83.1	2

SUMMARY RECOMMENDATION

For lots JCH, JCI, and JCJ the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lots JCH, JCI, and JCJ should be accepted.

				PRIME	ANALYSIS
METHOD	ANALYSIS	LOT	INSTALLATION	CONTRACTOR	DATE
UM05	GC/MS VOA	INR	WB	EY	$05\overline{/14/95}$
		INS	AL	SA	05/30/95
		INT	AL	SA	06/12/95
		INU	\mathtt{AL}	SA	06/16/95
		INV	\mathtt{AL}	SA	06/20/95

The control chart submittal date is June 30, 1995.

TREND ANALYSIS

All control charts are trend free.

OUT-OF-CONTROL ANALYSIS

The following analyte contained a point outside the UCL in the three-day x-bar charts:

ANALYTE	LOT	RECOVERY	UCL
12DCD4	INR	125.0	116.4

The following analytes contained points outside the LCL in the three-day x-bar charts:

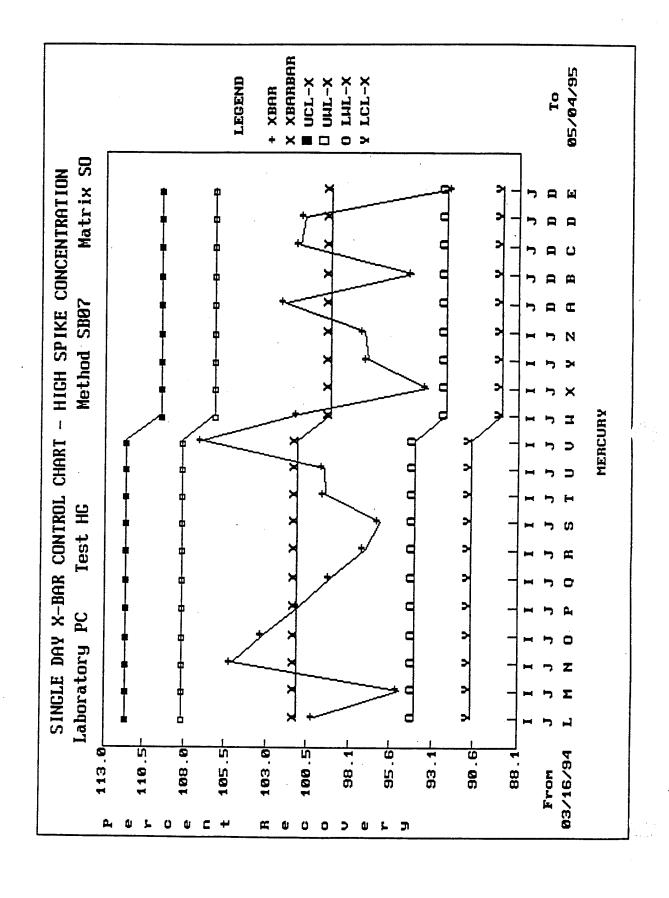
ANALYTE	LOT	RECOVERY	LCL
12DCD4	INS	82.5	88.2
MEC6D8	INS	90.0	92.3
4BFB	INS	85.0	88.1

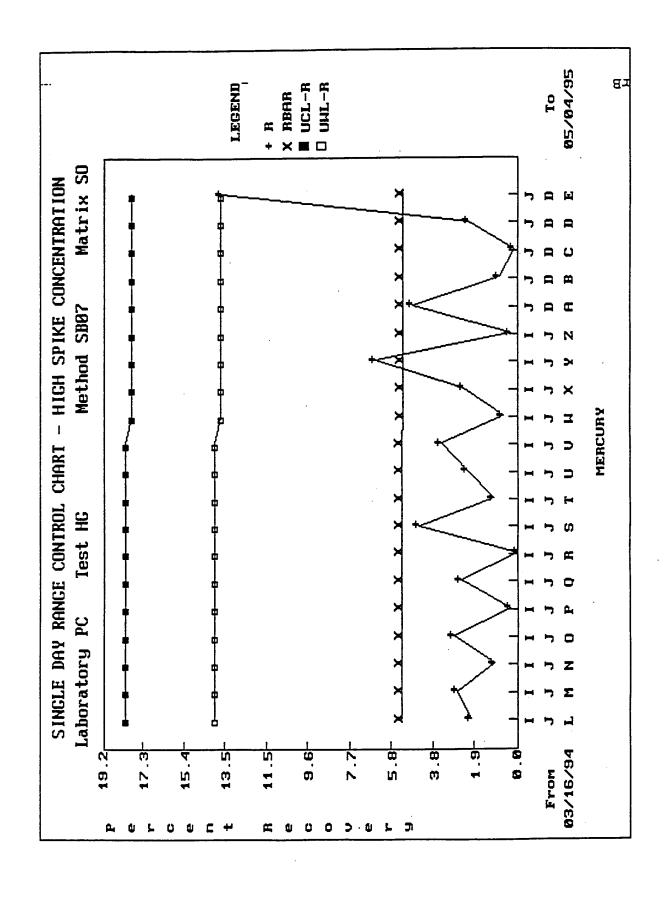
The following analytes contained points outside the UCL in the three-day x-bar range charts:

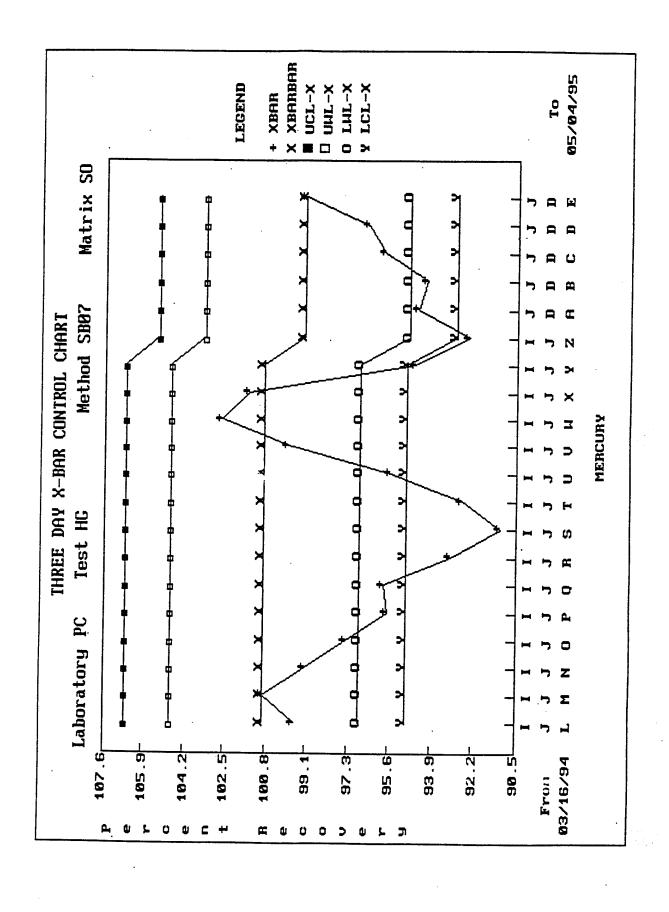
ANALYTE	LOT	RECOVERY	UCL
12DCD4	INS	42.5	35.5
12DCD4	INT	42.5	42.2

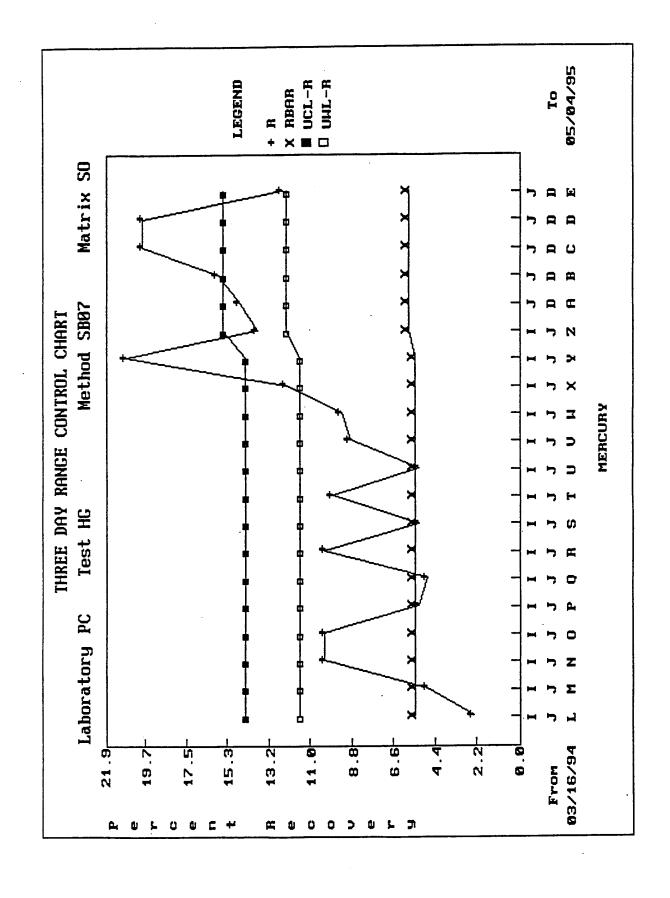
SUMMARY RECOMMENDATION

For lots INR, INS, INT, INU, and INV the calibration standards met the QC requirements of the program. The out of control situations should have negligible affect on the quality of the data. Lots INR, INS, INT, INU, and INV should be accepted.









APPENDIX G-5 OC CRITERIA

TABLE G5-1 SCHEDULED QUALITY CONTROL AND CALIBRATION

Procedure	Frequency of Quality Control Procedure	Accepte	Acceptance Criteria		Corrective Action
		Volatile Org	Volatile Organic Compounds (VOCs)	s (VOCs)	
Initial Calibration 6-point Curve	Set-up, major maintenance, and quarterly	RRF ≥ 0.30 except bromoform ≥ 0.25 Response Factors < 30%	noform ≥ 0.25 %		If RSD of the average RRF for calibration check compounds > 30%, the initial calibration must be repeated.
Daily Calibration Standard	Every 12 hours	% D for RRF ≤ 25% for 2/3 of compounds	. 2/3 of compou	spu	If daily calibration standard does not meet criteria, reanalyze daily standard. If it fails a second time, perform new initial calibration.
Continuing Calibration Check	Beginning of a Sample Sequence	% D for RRF ≤ 25% for 2/3 of compounds	· 2/3 of compou	spu	Samples cannot begin until this criterion is met.
Surrogate	Every Sample	4-bromofluorobenzene 1,2-dichloroethane-d ₄ Toluene-d ₈	Solid 89-110% 87-108% 94-109%	Aqueous 88-112% 88-116% 92-113%	If recoveries of one surrogate compounds is outside established limits, the sample must be reanalyzed. If the sample still fails upon reanalysis, document that surrogate recovery is matrix dependent (biased).
Method Blanks	Every 12 hours	"Clean"			Document source of contamination.
Tuning	Prior to Calibration	BFB key ions and ion abundance criteria in Standard Operating Procedure.	undance criteria	in Standard	Analysis of the instrument must meet the ion abundance criteria.
		Semivolatile O	Semivolatile Organic Compounds (SVOCs)	ds (SVOCs)	
Initial Calibration Curve	Set-up, major maintenance	RSD of RRF ≥ 35% for 2/3 of compounds	2/3 of compoun	spı	Must meet criteria prior to sample analysis.
Daily Calibration Standard	12 hours	RRF \geq 0.05, the percent difference of the daily RRF compared to average RRF \leq 25%.	nt difference of t IF ≤ 25%.	he daily RRF	If criteria are not met, reanalyze the daily standard. If the daily standard fails a second time, perform a new initial curve.

Procedure	Frequency of Quality Control Procedure	Accepi	Acceptance Criteria		Corrective Action
		Semivolatile Organic Compounds (SVOCs) (Continued)	: Compounds (S)	VOCs) (Continu	(Pei
Continuing Calibration Check	After tune, prior to sample analysis	% D for RRF ≤ 25% for 2/3 of compounds	r 2/3 of compou	spu	If criteria are not met, initial calibration must be repeated.
Internal Standards	Every Analysis	Retention time ± 30 seconds. Area changes by a factor of two (-50% to +100%).	onds. Area cha +100%).	nges by a	Inspect for malfunction. Demonstration system is functioning properly. Reanalyze samples with standards outside criteria.
Tuning DFTPP	12 hours	Must meet tuning criteria in USEPA CLP OLMO1.8.	a in USEPA CLP	OLM01.8.	Re-tune, recalibrate.
Method Blanks	12 hours	"Clean"			Document source of contamination.
Surrogate Spikes	Every Sample	2-fluorophenol Phenol-d _s 2,4,6-Tribromophenol Nitrobenzene-d _s 2-Fluorobiphenyl	Solid 31-88.6% 33.7-89.1% 47.9-87.2% 21.5-85.5% 34.1-92.9%	Aqueous 36-66% 24-40% 57-100% 60-88% 54-80%	If recoveries of two surrogate compounds (2 acids or 2 base/neutrals) are not met, the extract must be reanalyzed. If extract fails upon reanalysis, document that surrogate recovery is matrix dependent.
		Pesticides/Poly	Pesticides/Polychlorinated Biphenyls (PCBs)	enyls (PCBs)	
Initial Calibration Curve Single Component, Multi- component	Set-up, major maintenance	2/3 of compounds have ≥ 0.995	≥ 0.995		Must meet criteria prior to sample analysis.
Daily Calibration Standard	12 hours	% D for RRF $\leq 25\%$ for 2/3 of compounds	2/3 of compour	spu	If criteria are not met, reanalyze the daily standard. If the daily standard fails a second time, perform a new initial curve.

TABLE G5-1 SCHEDULED QUALITY CONTROL AND CALIBRATION

Procedure	Frequency of Quality Control Procedure	Accept	Acceptance Criteria		Corrective Action
		Pesticides/Polychlorinated Biphenyls (PCBs) (Continued)	nated Biphenyls (PCBs) (Continu	(par
Independent Reference Standard (Calibration Check)	Weekly	Recovery ±25%			Initiate investigation and document actions taken.
Performance Evaluation Mixture	12 hours, after analytical run	Endrin/4,4-DDT degradation < 30%	tion < 30%		If criterion is not met, system must be deactivated and the affected sample reanalyzed if endrin or 4,4-DDT or their degradation products are detected in the samples.
Instrument Blank	12 hours, after analytical run	"Clean"			Demonstrated "clean". Affected sample will be analyzed.
Method Blanks	12 hours	"Clean"			Document source of contamination.
Surrogate Spikes ⁽¹⁾	Every Sample	Tetrachloro-m-xylene Decachlorobiphenyl	Solid 41.9-129% 66.9-148%	Aqueous 63-109% 34-133%	Investigate to determine cause and document actions taken; data are acceptable.
Standard Spikes ⁽¹⁾	One low spike, two high spikes per sample lot	LWL < x < UWL			Investigate to determine cause and document actions taken; data are acceptable.
		Target A	Target Analyte List (TAL) Metals	Metals	
Initial Calibration Curve 2-point Curve	Major maintenance, instrument modification, replacement of the torch, replacement of the the mirror	r > 0.995 for all elements	ıts		If r < 0.995 for any element, the standards for that element must be prepared again and/or lower upper range standard must be used.

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TABLE G5-1 SCHEDULED QUALITY CONTROL AND CALIBRATION

Procedure	Frequency of Quality Control Procedure	Acceptance Criteria	Corrective Action
		Target Analyte List (TAL) Metals (Continued)	
Daily Calibration Standard (calibration blank & calibration verification)	12 hours	Slope within 10% of initial calibration recovery $\pm 5\%$ of true value.	If criteria are not met, reanalyze the daily standards. If the daily standard fails a second time, perform an initial calibration.
Interference Check	Beginning and end of each sample analytical run	Recovery ±20% of true value.	Terminate the analysis, correct the problem, recalibrate, reverify the calibration, and reanalyze the samples.
Continuing Calibration Verification (CCV)	Every 15 samples, end of analytical run	Recovery ±10% of true value.	Reanalyze CCV. If the CCV fails second time, the analysis must be terminated, the problem corrected, the instrument recalibrated, and the calibration reverified prior to continuing sample analyses.
Continuing Calibration Blank (CCB)	Every 15 samples, end of analytical run	Concentration $< 3 \times s$ of the background mean.	If the average in not within criteria, terminate the analysis, correct the problem, recalibrate, and reanalyze all samples analyzed since the last acceptable CCB.
Preparation Blank	1 per 20 samples	"Clean"	Document source contamination.
Control Spikes	Four spikes per 20 samples	\pm 30% for low spikes and \pm 20% for high spikes.	Initiate investigation, document actions taken; data are acceptable.

Appendix C 1

Procedure	Frequency of Quality Control Procedure	Acceptance Criteria	Corrective Action
		Total Petroleum Hydrocarbons (TPHs)	
Initial and Daily Calibration Curve 6-point Curve	Major maintenance or instrument modification	r > 0.995 for each compound.	If r < 0.995 for any element, the standards for that element must be prepared again and/or lower upper range standard must be used.
Independent Reference	Weekly	Recovery within ±25% of true value.	No corrective action cited.
Continuing Calibration Verification (CCV)	Every 10 samples, end of analytical run	Recovery $\pm 25\%$ of true value.	Reanalyze CCV. If the CCV fails second time, the samples must be reanalyzed or documentation provided by the analyte as to why the sample data should be acceptable.
Method Blank	1 per 20 samples	"Clean"	Documented source of contamination.
Standard Spikes	One low and two high spikes per sample lot		Investigate to determine cause and document action taken; data are acceptable.

⁽¹⁾ Total discussion of control criteria and corrective action is provided in Section 8.7 of the USAEC Guidelines (USAEC, 1993).

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TABLE G5-2 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE QUALITY CONTROL CRITERIA

	So	olid	Aqu	eous
Compounds	Percent Recovery Criteria (%)	Relative Percent Difference Criteria	Percent Recovery Criteria (%)	Relative Percent Difference Criteria
	Volatile Organic (Compounds (VOC	Cs)	
1,1-Dichloroethane	59 - 155	30	59 - 155	30
Toluene	79 - 120	16	62 - 125	43
Trichloroethylene	76 - 117	19	60 - 125	40
Benzene	72 - 128	17	60 - 115	29
Chlorobenzene	78 - 122	17	59 - 126	45
Se	emivolatile Organic	Compounds (SV	(OCs)	
Phenol	50 -102	12	43 - 85	55
2-Chlorophenol	63 - 98	11	57 - 90	42
1,4-Dichlorobenzene	7 - 105	24	31 - 74	27
N-nitroso-di-n-propylamine	30 - 110	21	23 - 117	32
1,2,4-Trichlorobenzene	33 - 96	16	28 - 79	26
4-Chloro-3-methylphenol	63 - 100	17	55 - 99	53
Acenaphthene	57 - 106	19	48 - 99	21
4-Nitrophenol	23 - 139	77	60 - 145	42
2,4-Dinotrotoluene	13 - 116	55	44 - 86	21
Pentachlorophenol	33 - 120	50	60 - 99	33
Pyrene	19 - 156	83	55 - 102	21

TABLE G5-3 LOW AND HIGH MATRIX SPIKE QUALITY CONTROL CRITERIA

	So	lid	Aqu	eous
Compounds	Percent Recovery Low Spike	Percent Recovery High Spike	Percent Recovery Low Spike	Percent Recovery High Spike
	Pest	icides		
Endosulfan I	78.4 - 101.4	67.9 - 113.1	72.1 - 96.7	58.0 - 106
Aldrin	70.5 - 91.5	62.8 - 102.6	52.7 - 75.7	42.2 - 83.6
Dieldrin	76.1 - 96.7	63.1 - 110.1	65.3 - 82.7	56.6- 89.6
Endrin	68.1 - 89.7	95.8 - 60.0	65.5 - 87.1	56.2 - 94.2
Heptachlor	75.8 - 96.6	65.5 - 104.3	59.8 - 78.6	49.3 - 87.7
Lindane	68.0 - 91.2	58.7 - 101.1	63.7 - 79.5	54.2 - 87.0
Methoxychlor	81.7 - 102.3	64.3 - 113.5	79.8 - 97.4	73.3 - 104.9
pp-DDT	71.7 - 96.1	65.7 - 104.5	68.0 - 87.6	58.4 - 96.8

APPENDIX H ANALYTICAL RESULTS

USTS EAST OF BUILDING 202

TABLE H-1 SUMMARY OF INORGANIC RESULTS FOR SCR SOIL SAMPLES AT EXISTING/FORMER UST(s) EAST OF BUILDING 202

Analytes ⁽¹⁾	Detection Limits	A08-5 (6.5 feet bgs)	A08-6 (8.0 feet bgs)	A08-6 (10.0 feet bgs)	A08-7 (5.0 feet bgs)	A08-8 (5.0 feet bgs)	A08-9 (6.0 feet bgs)	BH-35 (6.0 feet bgs)	BH-36 (8.0 feet bgs)	BH-36 (10.0 feet bgs)
Aluminum	10.7	13,000	18,000	15,000	16,000	20,000	5,600	14,000	20,000	21,000
Antimony	82.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.200	0.777	1.11	0.73	1.37	0.732	0.367	ND	1.25	1.39
Barium	4.87	37.40	43.50	39.30	65	66.60	20.00	35.10	53.80	51.30
Beryllium	0.250	0.69	0.69	0.69	1.03	0.805	ND	.345	.805	.805
Cadmium	0.427	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	109	188	250	223	390	494	219	161	289	241
Chromium	0.974	19.70	25.90 1	22.50	31.10 i	29.00 I	8.33 1	21.20	28.001	28.50
Cobalt	2.50	7.18	6.42	5.44	6.42	9.03	ND	5.11	16.40	11.80
Copper	3.38	8.73	10.80	10.20	11.40	9.88	ND	6.41	12.90	13.00
yanide	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	12.0	20,000	20,000	19,000	29,000	20,000	6,300	8,500	26,000	28,000
Lead	0.700	.8.12	7.88	7.95	10.30	9.06	3.22	8.19	11.20	11.00
Magnesium	138	2,380	2,310	2,140	2,730	2,930	823	2,150	3,220	3,260
Manganese	0.511	320	230	230	111	113.00	39.50	46.70	520	510
Mercury	0.0870	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	4.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	7.50	8.03	9.85	8.03	10.20	12.00	ND	ND	12.30	13.00
Potassium	142	552	1,030	684	601	969	278	474	684	857
Selenium	12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	50.0	104	81.70	85.90	99.80	131	ND	78.30	87.40	102.00
Thallium	12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2.00	41.20	46.90	40.40	62.60	50.20	14.80	30.90	56.10	58.40
Zinc	4.00	29	33.70	31.90	41.90	41.90	14.20	25.20	43.90	43.20

Key: B = Flag for analyte found in method blank or QC blank as well as the sample

Due to sample matrix or high concentration samples preceding low concentration samples, carry-over is possible. This could lead to instrument cross-contamination which will affect any positive compound identification.

ND = Not Detected

bgs = Below Ground Surface

Note: $^{(1)}$ Concentrations reported in micrograms per gram (μ g/g) equivalent to parts per million (ppm).

TABLE H-2 SUMMARY OF INORGANIC RESULTS FOR SCR WATER SAMPLES AT EXISTING/FORMER UST(S) EAST OF BUILDING 202

Analytes ⁽¹⁾	MW-31	MW-32D2	MW-32S	MW-33	MW-34	MW-35	MW-36	MW-36D
Aluminum	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND
Barium	65.5	58.5	23.2	24.2	31.3	52.4	51.4	51.4
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	18,200	14,300	12,300	14,300	5,600	29,000	22,900	24,000
Chromium	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ND	12,000	3,210	5,300	ND	210	ND	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	12,400	2,630	7,140	6,190	3,720	11,100	14,600	14,300
Manganese	335	509	307	406	161	394	8.03	9.04
Mercury	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	ND	ND	ND	ND	ND	ND
Potassium	1,860	1,370	ND	ND	ND	2,940	3,640	3,520
Selenium	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	13,100	8,740	5,640	17,800	7,170	13,800	19,200	19,400
Thallium	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ND	23.4	ND	14.2	ND	26.4	ND	ND

Key:

Not Detected

bgs

ND

Below Ground Surface

Duplicate

Note:

"Concentrations reported in micrograms per liter $(\mu g/L)$ equivalent to parts per billion (ppb).

27- jan-1994

Final Documentation Ap, x Report Installation: Wu File Type: CSO Sampling Date Range: 01-jan-1975 to 27-jan-1994 For All Sites

Site	Site		Sample		Meth/					
Type	a ;	Depth	Date	Lab	Matrix		≪	Meas. Bool.	Unit Flag Conc. Meas. Codes	g Data Ps Onals
EXCV	A14-1	0.6	21-sep-1993	5	LM33 S	79-00-5		=		
						79-01-6	_	<u>.</u>	0.003 UGG	
						79-01-6		ב	0.003 UGG	
						79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene	5	0.012 UGG	
						79-34-5	Tetrachioroctham / 1,1,2,2-Tetrachloroctham / Acetylene	ב	0.012 UGG	
EXCV	A23-202	7.0	22-sep-1993	5			retrachioride / Cellon / Bonoform Total petroleum hydrocarbons		300 000	
EXCV	A23-202	7.5 5.5	22-sep-1993	<u>ი</u> გ	0 S		Total petroleum hydrocarbons		302.000 1166	
GRAB	A07-1	4.5	29-sep-1993	7 Z	2	20.00.5	Total petroleum hydrocarbons		29.800 UGG	
			-)		39-89-6	•		21000.000 ugg	
						39-92-1	Lead		18 600 1166	
						39-95-4	Magnesium			
						20-08-7	Manganese Molyhdan m			
						40-05-0	Molybdenum Nickel	1		
						40-09-7	Potassium			
						40-23-5			1120.000 UGG	
						40-28-0		-	12 500 100	
						40-36-0		: :	82.900 UGG	
						40-39-3		i	68.500 UGG	
						/- \$-0\$	Beryllium Codmism		1.800 UGG	
						40-47-3		5	0.427 UGG	
						40-48-4	_		65.300 UGG	
						40-50-8			19.600 UGG	
						40-62-2				
						9-99-04				
						2-07-0 4	Calcium			
GRAB	A13-1	10.0	21-sep-1993	5	00 S	:	_	_	12,400 UGG	
							T. T.			
GRAB	A18-1	2.0	18-sep-1993	ე ე	JS14 S	29-90-5	Aluminum		7800 000 1166	
						39-89-6	Iron			
						39-95-4	Madheejim			
						39-96-5	Managan Paraga			
						39-98-7	Molybdenum	-	470.000 UGG	
						40-05-0	Nickel	; <u>-</u>		
						2-60-05	Potassium	į		
						0-82-07	Sodium Thail time	5	50.000 UGG	
						40-36-0	Antimony	55	12.500 UGG	
						40-39-3	Barium	5	81.500 UGG	
* - Ana	ılyte Desc	ription	 Analyte Description has been truncated. 	cated.	See Data D	ta Dictionary.	ıry.			

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
Sampling Date Range: 01-APR-94

Site Site	Field		Sample		Lab	Meth/			Meas.		Unit	Flag	Data
	Sample No. Depth	Depth	Date	Lab	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bool.	Conc.	Meas.	Codes	Quals
	1 1 1 1 1 1 1	1 1	:	:	1 1 1 1 1 1	1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!	:	!	1 1 1 1	1 1 1
	21BH0405	8.0	19-APR-94	PC	82660	JS14/S	7439-89-	Iron		4900	ngg		
							7439-95-	Magnesium		271	ngg		
							7439-96-	Manganese		113	ngg		
							7440-39-	Barium		6.83	ngg		
							7440-47-	Chromium		6.37	ngg		
							7440-62-	Vanadium		7.25	nec		
							7440-66-	Zinc		8.51	ngg	В	
						LM30/S		Unknown compound 531		1	ngg	SB	
						•		Unknown compound 534		е.	ngg	κ	
								Unknown compound 624		.5	DDO	SB	
								Unknown compound 636		.1	ngg	S	
										٦.	nec	S	
A23-1	23BH0102	4.0	18-APR-94	PC	81213	s/ 00		Total petroleum hydrocarbons		353	ngg		
•						0	7439-92-	Lead		13	ngg		
	23BH0104	8.0	18-APR-94	PC	81221	6010/S	7439-92-	Lead		7.8	ngg		
A23-2	23BH0202	4.0	18-APR-94	PC	81230	s/ 00		Total petroleum hydrocarbons		75.2	nee		
						S/0109	7439-92-	Lead		12	DDO		
	23BH0204	8.0	18-APR-94	PC	81248	6010/S	7439-92-	Lead		4.7	OGG		
MW-31	08BH3105	8.0	18-APR-94	P.	81337	8/0109	7439-92-	Lead		7.1	UGG		
MW-32	08BH3204	6.0	14-APR-94	PC	79910	s/ 00		Total petroleum hydrocarbons		2170	UGG		
						8/0109	7439-92-	Lead		13	ngg		
						8/0808	72-55-9	2,2-Bis(p-chlorophenyl)-1,1-		1.7 E -2	DDN		
								dichloroethene					
	08BH3206	10.0	14-APR-94	PC	79928	s/ 00		Total petroleum hydrocarbons		149	OGG		
						6010/S	7439-92-	Lead		8.3	ngg		
						8/0808	72-55-9	2,2-Bis(p-chlorophenyl)-1,1-		3.9 E -3	ngg		
								dichloroethene					
MW-33	08BH3305	8.0	14-APR-94	PC	79901	6010/S	7439-92-	Lead		5.2	ngg		
MW-34	08BH3405	8.0	18-APR-94	PC	81353	6010/S	7439-92-	Lead		7.1	ngg		
GRAB A25-10	25831001	0.5	21-APR-94	PC	84573	2062/5	7440-38-	Arsenic		1.6	ODO		
						6010/8	7439-92-	Lead		18	nec	В	
						JS14/S	7429-90-	Aluminum		11000	ngg		
	-						7439-89-	Iron		14000	ngg		
							7439-92-	Lead		17.1	ngg		
							7439-95-	Magnesium		736	DDO		
							7439-96-	Manganese		2600	ngg		
							7440-02-	Nickel		11.7	NGG		
							7440-09-	Potassium		304	DDO		
							7440-39-	Barium		124	ngg		
							7440-41-	Beryllium		2.07	DDO		
							7440-47-	Chromium		11.9	DDN		
							7440-48-	Cobalt		26.4	UGG		
							7440-62-	Vanadium		25.7	DDO		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
01-MAX-95

	Data	Quals																																								н			
	Flag	Codes																		SB	SB	SB	SB	SB	SB	S	S	SD	လ	S															
	Unit	Meas.	ngg	000 i	990	5 5 1	999	ngg	ngg	nee	ngg	UGG	ngg	ggn	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	neg	ngg	000	ngg	nec	DDO	ngg	ngg	ngg	ngg	ngg	ngg							
	,	Conc.	777.	8.12	13000	2000	2380	320	8.03	552	104	37.4	69.	19.7	7.18	8.73	41.2	29	188	۲.	۲.	20	.2	۲.	.2	٠,	٠.	.1	.2	8 E -2	1.11	7.88	18000	20000	2310	230	9.85	1030	81.7	43.5	69.	25.9	6.42	10.8	46.9
	Meas.	Bool.																																											
01-MAY-95																												_																	
Sampling Date Range: 01-MAR-95	-	Analyte Description	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc		compound	compound	Unknown compound 537	Unknown compound 538	Unknown compound 544	compound	compound	Unknown compound 640		compound	Unknown compound 645	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium
g Date Rar	;	CAS No.	7440-38-	7439-92-	7429-90-	1439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-												7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-
Samplin		Matrix		6010/8	JS14/S															LM30/S											2062/S	6010/S	JS14/S												
	Lab	Lab Anly. No.	49123																												PC 52639														
	Sample	Date	01-MAR-95																												8.0 02-MAR-95														
		Depth	6.5																												8.0														
	Field	Sample No. Depth	08BH0506																												08BH0608														
	0,	Type ID																													A08-6														

Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

01-MAY-95	
5	
01-MAR-9	
Range:	
Date	
Sampling	
	Date Range: 01-MAR-95

Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

	Data	Quals	1 1 1		ı																														I											
	Flag	Codes	1 1 1 1 1 1								S	SB	s	SB	SB	SB	S	S	co co	V.	S	S	SD																		S	SB	SB	SB	SB	S
	Unit	Meas.	:	ngg	ngg	nec	nge	nge	000	ngg	ngg	ngg	obn	990	ngg	ngg	nge	ngg	ngg	DCC	990	ngg	ngg	oon	bbn	ngg	ngg	ngg	990	ngg	ngg	ngg	ngg	ngg	UGG	ngg	ngg	ngc	ggn	ngg	nge	200	ngg	ngg	ngg	DDO
		Conc.	! ! !	1.03	31.1	6.42	11.4	62.6	41.9	390	· -:		i rů	10	٠.	4.	7.	۲.		7	! -:	г.	4.	.732	90.6	20000	20000	2930	113	12	696	131	9.99	.805	29	9.03	9.88	50.2	41.9	444	4.	4.	4.	10	٦.	٠.
	Meas.	Bool.	;												•																															
Sampling Date Range: 01-MAR-95 01-MAY-95		Analyte Description		Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Unknown compound 525			Unknown compound 538	Unknown compound 544	Unknown compound 547	Unknown compound 622	Unknown compound 636		Unknown compound 640		Unknown compound 641		Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Unknown compound 525	Unknown compound 531	Unknown compound 534	Unknown compound 538	Unknown compound 545	Unknown compound 546
Date Rar		CAS No.	1 1 1 1 1 1	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-														7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-						
Sampling	Meth/	Matrix C		JS14/S 7	7	7	7	7	7	7	LM30/S															JS14/S 7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	LM30/S					
	Lab	Lab Anly. No.		PC 49131																				PC 49140																						
	Sample	Date		01-MAR-95																				01-MAR-95																						
		Depth		2.0																				5.0																						
•	Field	Sample No. Depth		08BH0705																				08BH0805																						
	Site Site	Type ID		BORE A08-7																				A08-8																						

^{* -} Analyte Description has been truncated. See Data Dictionary

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Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

					San	pling Date 1	File Type: CSO Sampling Date Range: 01-MAR-95					
Site Site	Field		Sample	Lab	Meth/	h/						
•	sample No.	Depth	Date			ix CAS No.	Analyte Description	Meas.	(Unit	Flag	Data
BORE A08-8	08BH0805		10 0 0 W - 10		3			. 1009	Conc.	Meas.	Codes	Quals
			CC - NW 1 TO	FL 49140	LM30/S	s,	Unknown compound 547	; ; ;	: : :	1	1 1	
A08-9	08BH0906	6.0	01-MAR-95	07100	LM33/S	s/s	Unknown compound 095			ngg n	SB	
					s/ 00		Total petroleum hydrocarbons			000	S	
					2002				367	550		
					6010/S				196.	000 i		
					JS14/S		Aluminum		3.22	ngg		
						7439-89-			0000	ngg		
						7439-95-	Magnesium		6300	ngg		
						7439-96-			623	ngg		
						7440-09-	Potassium		39.5	ngg		
						7440-39-	Barium		8/7	ngg		
						7440-47-	Chromium		70	ngg		
						7440-62-	Vanadium		8.33	DDD		I
						7440-66-	Zinc		14.8	ngg		
						7440-70-	Calcium		14.2	ngg		
					IM30/S	_	Phenanthrene		219	ngg		
							Unknown company Fac		.42	ngg	3	
									۲.	ngg	SB3	
									ςς.	ngg	SB3	
									4.	ngg	53	
							Circiowii compound 569		۲.	550	3 6	
									7.	550	5	
							Unknown compound 570		Τ.	550	c c	
									• · ·	550	53	
							Unknown compound 571		ÿ. (nec	SD3	
									7 (ngg	23	
							Unknown compound 572		7. ,	ngg	SD3	
									-	ugg	S3	
							Unknown compound 573		7.	ngg	SD3	
									۲.	ngg	53	
									ĸ.	ngg	S3	
							Unknown compound ere		۲.	DDD	SD3	
									.4	UGG	S3	
							Unknown compound 526		7.	ngg	SD3	
									ιċ	ngg	53	
									8.	UGG	S3	
							Unknown compound 529		۲.	ngg	SD3	
									9.	ngg	S3	
									9.	ngg	S3	
							Unknown compound for		۲٠.	nge	SD3	
									€.	nec	. S3	
									.5	550		
									.2	000	63	
									ω.	5511	3 2	
							unknown compound 587		4.	500	ຄວ	
* - Analyte Description has been truncated.	ription has bee	n trunc		See Data Dictiona	7.4					2	5.3	

^{• -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
Sampling Date Range: 01-MAR-95

Flag Data	Codes Quals		-	SD3	~	~	~	SD3	-	-	~	~	3	3	~	~	3	3	3	3	SD3	3																							
Unit F)	Meas. Co		UGG S3	ngg si	UGG S3	UGG S3	UGG S3	ngg si			UGG S3	UGG S3	UGG S3	UGG S3	UGG S3	UGG S3	UGG S3	UGG S3			ngg si	UGG S3	ngg s	ngg s	ngg s					S DDO	ngg s	nge s		nge s	ngg s							ngg s	ngg	ngg	
	Conc.		1	т	τ.	4	۲.	.5	9.	ις.	2	ĸ.	4.	4.	ß.	5.	.2	4.	г:	4.	7.	τ.	ы	3 E -2	ы	3 E -2	ы	6 E -2	ы	3 E -2	٦.	2 E -2	1.	Е.	٦.	.2	e.	2.	E.	.1	4	e.	m.	9.	9.
Meas.	Bool.	;																																											
	Analyte Description		Unknown compound 588		Unknown compound 594	Unknown compound 595	Unknown compound 596		Unknown compound 597	Unknown compound 598	Unknown compound 600	Unknown compound 601	Unknown compound 602	compound	Unknown compound 605	compound	Unknown compound 607	Unknown compound 608	Unknown compound 610	Unknown compound 611		compound	compound	Unknown compound 167	Unknown compound 168	Unknown compound 173	Unknown compound 178	Unknown compound 184	Unknown compound 185	Unknown compound 187		compound	compound	compound	Unknown compound 205	compound	compound	Unknown compound 221	Unknown compound 228	Unknown compound 230	Unknown compound 232	Unknown compound 234	Unknown compound 240	Unknown compound 245	
	CAS No.	1 1 1 1																																											
			LM30/S																				LM33/S																						
Lab			PC 49158																																										
Sample	Date	1 1 1 1 1 1	01-MAR-95																																										
	Depth	ï	0.9																																										
Field	Sample No. Depth	1 1 1 1 1 1 1 1 1	08BH0906																																										
Site	ΙD	1 1	A08-9																																										
Site	Type		BORE																																										

^{* -} Analyte Description has been truncated. See Data Dictionary

14-JUL-95

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

	Data	Quals	:																																										
	Flaq D	_															Н																							-	•				
				ט כ	o vo	Ŋ	ഗ																E.	S C	S S	, a) V	S S	}																
	Unit	Meas.	2011	550	ngg	ngg	ngg	ngg	ngg	ngg	ngg	UGG	ngg	ngg	ngg	UGG	ngg	ngg	UGG	ngg	ngg	ngg	מפטו	100	1100	000	1000	000	ngg	nec	ngg	UGG	UGG	ngg	ngg	ngg	ngg	ngg	ngg	1100	ngg	ngg	ngg	ngg	ncc
			,	. ~	2	2	~																			•		•																	
		Conc.		3 E -2				8.19	14000	8500	2150	46.7	474	78.3	35.1	.345	21.2	5.11	6.41	30.9	25.2	161	4.	4.	10	8 E -2	1	1 E -2		11.2	20000	26000	3220	520	12.3	684	87.4	53.8	.805	28	16.4	12.9	56.1	43.9	289
	18.	Bool.	* * * * * * * * * * * * * * * * * * * *																																										
	Meas.	Вос	į																																										
01-MAY-95																																													
		ŭ	263	265	271	355	359																531	533	537	544	547	068																	
File Type: CSO MAR-95		Analyte Description																						compound 5				compound 0																	
File 31-MAR-		/te Des	Jnknown compound	Unknown compound	Jnknown compound	Unknown compound	Jnknown compound		mnu.		Magnesium	Manganese	Potassium - ::	Ē	€ ;	Tium.	mnT.	بد	Ä	i um		mn.	Unknown compound	wn com	Unknown compound	Unknown compound	Unknown compound	wn com	ic		mnu		sium	nese	٦.	sium	E	E	lium	ium	ע	L.	ium		Ę
ange: (Analy	Unknown	Unkno	Unkno	Unkno	Unkno								Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Unkno	Unknown	Unkno	Unkno	Unkno	Unknown	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium
File Ty Sampling Date Range: 01-MAR-95	1	CAS No.						7439-92-	7429-90-	7439-89-	7439-95-	1439-96-	7440-09-	1440-23-	7440-39-	7440-41-	-18-08-6	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-							7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70~
Samplin		Matrix	LM33/S					6010/S				,	•	-	•	•	•				•	-	LM30/S					LM33/S			JS14/S			1			-	-	-	7	7	_	_	,	7
									٠,														-1							φ	ה														
	Lab	Lab Anly. No.						49166																					52612																
	,	Lab	S				í	Ž,																					P.																
	Sample	nare	01-MAR-95				2	01-MAK-95																					02-MAR-95																
	<u>ئ</u> ئ ۇ	Depun	0.9					0.0																					8.0																
	Field	NO. D	90				90	0																				;	8																
	Field	odinpte Mo	9060Н880				CONTACO	COMPLOD																					08MM3608																
			_																															-											
	Site	•	A08-9				MW 35																						MW-36																
	Site	247	BORE																																										

[.] Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO Sampling Date Range: 01-MAR-95

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

		Data	נייל	Kan Ka	1	
	i	Flag	2000		1111	
		Unit	Mead		1	ווייי
			Conc.		: : :	4.03
	2	. מטב	Bool.			
01-MAY-95						
Sampling Date Range: 01-MAR-95		Matrix Cas No Analysts Described	wathre pescriberon			Cobalt
pling Date Ra	, r	ix CAS No			0, 0,110	US14/S /440-48- Cobait
Sam	Meth/	Matr		1	40.0	1700
	Lab	Lab Anly, No.			רטאכט טם	******
	Sample	Date		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	08MW3706 6.0 02-MAR-95	;
		Depth	1	1 1 1	0.9	,
	Field	Sample No. Depth			08MW3706	
	Site Site	Type ID	1 1 1 1 1		BORE MW-37	

(S)	Site ID	Field Sample No. Depth	Depth	Sample	Lab	Lab Anly No	Meth/	/ or or or or or or or or or or or or or		Meas.		Unit	Flag	Da
i	:			-					Analyte Description	Bool.	Conc.	Меав.	Codes	ð
Σω	MW-37	08MW3706	6.0	0	P.		7514/8		(27.2) T	:	:	!	-	i
									Conner		4.03	ngg		
								7440-62-	Vanadium		7.57	ngg		
								7440-66-	Zinc		29.5	ngg		
								7440-70-	Calcium		1 . 4	990		
							LM30/S		Phenanthrene		424	990		
								91-20-3	Naphthalene / Tar camphor		24.	ָטָרָי פַּיּי		
								91-57-6	2-Methylnaphthalene		8 7	ngg		
									Inknown compound 531		٠.36	nee		
									Introduce compound 531		.2	ngg	SB	
											.2	ngg	S	
											10	ngg	SB	
											4.	UGG	SB	
											۲.	ngg	S	
										٠		UGG	S	
											.2	NGG	S	
									Unknown compound 614		9 E -2	ngg	S	
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Unknown compound 622		4.	nge	S	
							LM33/S	67-64-1	Acetone		2.6 E -2	ngg	-	
									Unknown compound 068		9 E -3	UGG	Ŋ	
									Unknown compound 095		9 E -3	ngg	S	
M	MW-38	OBMINISTRA	4	4 4 4 4			;		Unknown compound 303		7 E -3	ngg	C)	
•	2	0000000	0.0		ر ب	2264/	s/ 00		Total petroleum hydrocarbons		82.3	UGG	ı	
							9/0109		Lead		8.47	ngg		
							7/8150		Aluminum		12000	nge		
								7439-89-	Iron		8600	ngg		
								7439-95-	Magnesium		2250	UGG		
								7439-96-	Manganese		42.5	ngg		
								7440-02-	Nickel		8.89	ngg		
								7440-09-	Potassium		528	UGG		
								7440-23-	Sodium		165	UGG		
								7440-39-	Barium		73.4	ngg		
								7440-41-	Beryllium		69.	nge		
								7440-47-	Chromium		25.7	ngg		-
								7440-48-	Cobalt		3.26	UGG		
								7440-50-	Copper		10.6	UGG		
								7440-62-	Vanadium		37.4	ngg		
								7440-66-	Zinc		36.5	ngg		
							-/ 4 4/4 4	7440-70-	Calcium		470	ngg		
							1 N S N S				z.	ngg	SB	
											.2	ngg	SB	
											.1	ngg	Ŋ	
											10	ngg	SB	
									Unknown compound 538		?	ngg	SB	
	í												ļ	

Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
01-MAX-95

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Field		Sample		Lab	Meth/			Meas.		Unit	Flag	Data
)epth	Date	Lab 1	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bool.	Conc.	Meas.	Codes	Quals
BODE MW. 38	08KW3806		02-MAR-95		52647	2/05MJ		Inknown compound 547	1 1 1 1			: : : :	!
						0 /01				ž. ₍ -	550	ກີ່ເ	
						LM33/S				5 1 1	ngg n	SB	
								Unknown compound 094		7 E -3	ngg	တ	
MW-39	08MW3904	4.0	03-MAR-95	PC	52744	6010/S	7439-92-	Lead		3.52	DDN		
						JS14/S	7429-90-	Aluminum		6400	OGG		
							7439-89-	Iron		7900	UGG		
							7439-95-	Magnesium		924	UGG		
							7439-96-	Manganese		70.4	ngg		
							7440-09-	Potassium		285	UGG		
							7440-23-	Sodium		58.9	ngg		
							7440-39-	Barium		15.7	ngg		
							7440-47-	Chromium		9.4	ngg		н
							7440-50-	Copper		3.58	DDD		
							7440-62-	Vanadium		17.7	ngg		
							7440-66-	Zinc		18.5	ngg		
						IM30/S		compound		.2	nec	SB	
								Unknown compound 534		7.	ngg	SB	
										10	ngg	SB	
								Unknown compound 547		1.	nee	SB	
						LM33/S		Unknown compound 068		4 E -2	nee	SB	
								Unknown compound 095			ngg	S	
MW-40	08MW4006	0.9	01-MAR-95	۲ ک	49174	2062/S	7440-38-	Arsenic		.496	ngg		
						6010/S	7439-92-	Lead		4	ngg		
						JS14/S	7429-90-	Aluminum		1600	ngg		
							7439-89-	Iron		14000	ngg		
							7439-95-	Magnesium		953	ngg		
							7439-96-	Manganese		240	ngg		
							7440-09-	Potassium		352	ngg		
							7440-23-	Sodium		73	ngg		
							7440-39-	Barium		21.4	ngg		
							7440-41-	Beryllium		.46	nec		
							7440-47-	Chromium		9.94	ngg		H
							7440-48-	Cobalt		7.29	DDO		
							7440-50-	Copper		4.84	DDN		
							7440-62-	Vanadium		20.7	ngg		
							7440-66-	Zinc		17.8	ngg		
							7440-70-	Calcium		122	UGG		
						LM30/S		Unknown compound 531		4.	ngg	SB	
								Unknown compound 534		2.	ngg	SB	
										10	ngg	SB	
								Unknown compound 538		7.	nec	S	
								Unknown compound 544		6			

Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

	Data Ouals	,	; ; ;												-	•									
	Flag Codes		. E.) U	ว														SB	SB	SB	85	ر د	SB
	Unit Meas.	1	ngg	551	מים ב	200	DOD	ngg	ncc	ניטנים	000	100	991	200	1133	1133	990 11GG) 	000	กรู	ngg	ngg	086	nge	ngg
	Conc.	1 1 1 1	.2		7 E -3	6.44	8300	13000	1590	85.1	1040	59	28.7	.345	17.1	4.94	28.1	22	384	5.	7.	10	۲.	.2	1 E -2
	Meas. Bool.	1 1 1																							
01-MAY-95																									
Sampling Date Range: 01-MAR-95	Analyte Description		Unknown compound 547	Unknown compound 622	Unknown compound 095	Lead	Aluminum	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Beryllium	Chromium	Copper	Vanadium	Zinc	Calcium	Unknown compound 531	Unknown compound 533	Unknown compound 537	Unknown compound 547	Unknown compound 622	Unknown compound 068
ng Date Ra	CAS No.	1 1 1 1 1 1 1				7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-50-	7440-62-	7440-66-	7440-70-						
Samplir	Meth/ Matrix		IM30/S		LM33/S	6010/S	JS14/S													IM30/S					LM33/S
	Lab Lab Anly. No.		PC 49174			PC 52752																			
	Sample Date	1 1 2 1	01-MAR-95			2.0 03-MAR-95																			
	Depth	!	6.0			2.0																			
	Field Sample No. Depth	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	08MW4006			14MW4102																			
	Site Site Type ID		BORE MW-40		;	MW-41																			

^{**} End of Report - 410 - Records Found **

Data Quals

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
01-JUL-94

Bool. Conc.		3.6	7.2	4	5.3	59.	
Analyte Description		Lead	Lead	Lead	Lead	Ethylbenzene	
		7439-92-	7439-92-	7439-92-	7439-92-	100-41-4	
Matrix		6010/W					
Lab Anly. No.							
Date		17-MAY-94	17-MAY-94	12-MAY-94	16-MAY-94	17-MAY-94	
Depth		0.0	0.0	0.0	0.0	0.0	
Sample No.		23MW1301	23MW1401	08MW3101	08MW3201	08MW3212	
						MW-32S	
	Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc.	Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bool.	Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc. M 	Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc. M	Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc. M	Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc. M	Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bool. Conc. M

^{**} End of Report - 6 . Records Found **

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
Sampling Date Range: 01-APR-95

	Data	Quals	1 1 1									•																																	
	Flag	Codes	!																				c	ם ני	ט נ	ט נ	o cr	ט נ	, v	ı v	· (7)	, v,	, v	S								U	o 01	ט נ	າເທ
	Unit	Меая,	1 1	UGL	700	7 51	100	750	7 5	101	150	uge.	1131.	1161.	1131	191	101	IGE.	OGE.	190	750	ngr.	151	151	101	101	nei.	191	150	ndr	ndr	ner	TDO	UGL	UGL	ngr	ndr	ngr	1131.	151	TIGI.	101	101	1191	ngr
		Conc.	1 1 1 4 6	12400	1950	13100	0757	00001	12000	2630	509	1370	8740	58.5	23.4	14300	3210	7140	307	5640	ر د ر	12300)))	, ,	10	.	. &	· LO	ırı	9	9	22	70	30	5300	6190	406	17800	24.2	14.2	14300	· •	- α	9	, ,
	Meas.	Bool.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													٠																													
01-JUL-95																																													
Sampling Date Range: 01-APR-95	,	Analyte Description	Mographica	Manganese	Potassium	Sodium	Barium	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Zinc	Calcium	Iron	Magnesium	Manganese	Sodium	Barium	Calcium	Unknown compound 250	Unknown compound 266		Unknown compound 277	Unknown compound 279	Unknown compound 284	Unknown compound 285		Unknown compound 299			Unknown compound 582	Iron	Magnesium	Manganese	Sodium	Barium	Zinc	Calcium	Unknown compound 023	Unknown compound 233	Unknown compound 269	Unknown compound 279
ng Date Ra	;	CAS No.	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-70-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-66-	7440-70-	7439-89~	7439-95-	7439-96-	7440-23-	7440-39-	7440-70-													7439-89-	7439-95-	7439-96-	7440-23-	7440-39-		7440-70-				
Sampli	Meth/	Matrix	SS15/W						SS15/W								SS15/W						UM05/W										UM06/W		SS15/W							UM05/W			
	Lab	Lab Anly. No.							PC 109843								PC 107956																		FC 10/964										
	Sample	Date	21-APR-95						24-APR-95								21-APR-95																	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	21-APK-75										
	Tool t	· Depui	0.0						0.0								0.0																	ć	2.										
	Field Sample No Donth	Campte NO	08MW3102						08MW32D2								08MM32S2																	COLCIDAGO	20 C C MI 10 O										
	Site Site	,	WELL MW-31						MW-32								MM-32S																	MW_ 23	00-11-1										

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CGW Sampling Date Range: 01-APR-95

Meas. Analyte Description Unknown compound 284 Unknown compound 305 Unknown compound 307 Unknown compound 304 Unknown compound 304 Unknown compound 304 Unknown compound 576 Magnesium Manganese Potassium Barium Sodium Barium Sodium Barium Calcium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Sodium Manganese Potassium Manganese Potassium Manganese Potassium Manganese Sodium Manganese Sodium Manganese Sodium	Unit Flag Data Conc. Meas. Codes Quals		ngr s			ngr s	ngr s	UGL	20 UGL	1 UGL	70 UGL	.3 UGL	OO UGF	O UGE	11100 UGL	4 UGL	2940 UGL	_				14600 UGL	8.03 UGL	3640 UGL	•		22900 UGL				•				1 UGL	16900 UGL	48.4 UGL	43.7 UGL	190 ngr	e ugr	5100 UGL	O UGL	16200 UGL	
Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte bescripting the sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte bescripting the sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte bescripting the sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte bescripting the sample No. 21-AFR-95 PC 107972 SS15/M 7439-95 Magnesium Compound Unknown compound Unknown Compound Unknown compound Unknown compound Unknown compound Unknown Compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Unknown Compound Compo			vo	vo '	9	9	80	09	3720	161	7170	31.	2600	210	111	394	730	138	52	26	290	14	8.	36,	193	51	22	14.	6	35:	19	51	24	46	321	16	48	43	96	226	51	270	16:	
MW-35 GBMW3501 O.0 18-APR-95 PC 107964 UM05/W UM05	Analyte Description								Magnesium	Manganese	Sodium	Barium	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Zinc	Calcium	Magnesium	Manganese	Potassium	Sodium	Barium	Calcium	Magnesium	Manganese	Potassium	Sodium	Barium	Calcium	Magnesium	Manganese	Sodium	Barium	Zinc	Calcium	Iron	Magnesium	Manganese	Sodium	
Site Field Sample No. Depth Date Lab Anly. No. Bare	CAS No.	- 1						,	7439-95-	7439-96-	7440-23-	7440-39-	7440-70-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-66-	7440-70-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-70-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-70-	7439-95-	7439-96-	7440-23-	7440-39-	7440-66-	7440-70-	7439-89-	7439-95-	7439-96-	7440-23-	
Site Field Sample 1D Sample No. Depth Date			UM05/W					W/90MU	SS15/W					SS15/W								SS15/W						SS15/W						SS15/W						SS15/W				
Site Field Sample No. Depth Date 10.0 Shwill of Sample No. Depth Date 10.0 Shwill of Sample No. Depth Date 10.0 Shwill of Sample Nw-34 O8Mwill of Sample Nw-34 O8Mwill of Sample Nw-35 O8Mwill of Sample Nw-35 O8Mwill of Sample Sample Nw-35 O8Mwill of Sample Nw-37 O8Mwill of Sample Sample Nw-37 O8Mwill of Sample Sample Nw-38 O8Mwill of Sample Sample Nw-38 O8Mwill of Sample Nam-38 O8Mwill of Sampl	Lab ub Anly. No.																																											
MW-34 OBMW3302 MW-34 OBMW3302 MW-34 OBMW3402 MW-35 OBMW3501 MW-35 OBMW3609 MW-37 OBMW3701																																												
Site ID MW-33 MW-36 MW-37 MW-38	Depth																											0.0						0.0						0.0				
	Field Sample No.	1 0 0	08MW3302						08MW3402					08MW3501								08MW3601						08MM3609						08MW3701						08MW3801				
														.0								9												37						8				

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only

Quals 1 4 4 7 7 Data Flag Codes တတ္တတ NGL OGL ngr ngr 532 7360 346 15700 8640 8 5270 326 5690 30.2 92.6 53300 26 11 Меав. Bool. Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
Sampling Date Range: 01-APR-95 Chlorobenzene / Monochlorobenzene Unknown compound 226 Unknown compound 277 Unknown compound 060 Analyte Description Manganese Magnesium Magnesium Manganese Calcium Acetone Calcium Sodium Barium Sodium Iron Zinc 7440-23-7439-95-7439-96-7440-23-7440-70-7439-95-7439-96-7440-66-7440-70-108-90-7 7439-89-CAS No. 67-64-1 Lab Anly. No. Matrix SS15/W SS15/W Meth/ UM05/W UM05/W SS15/W PC 102504 PC 101958 PC 101940 0.0 17-APR-95 0.0 18-APR-95 0.0 17-APR-95 Sample Date Sample No. Depth 08MW3801 08MM3901 08MW4001 Field MW-38 MW-39 MM-40 Site ü Site WELL Type

Unknown compound 023

UM05/W

Calcium

Barium

7440-39-7440-66-7440-70S

83.7 28.5 10200 30

* - Analyte Description has been truncated. See Data Dictionary

'n

⁻ Records Found ** ** End of Report - 106

BUILDING 202 SUMP

Report			to 27-jan-1994	
Final Documentation App	Installation: No.	File Type: CSW	Sampling Date Range: 01-jan-1975 to 27-jan-1994	For All Sites
nal Docum	=	_	Date Rar	
Fir			Sampling	

ig Data	Conc. Meas. Codes Quals				
Fla	Cod	:	_	_	
Unit	Meas		OO UGL	00 UGL	
	Conc.		ND 1000.000 UGL	0.500 UGL	
Meas.	Bool.		웆	웆	
	CAS No. Analyte Description		Total petroleum hydrocarbons	01-35-2 Toxaphene / Chlorinated camphene / Camphechlor / Alltox /	Conorhone / Motox / Dennhone / Dhonaride / Dhonatox / Strok
	CAS No.			01-35-2	
Meth/		!	*		
	Lab	:	PC		
Sample	Date	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17-sep-1993		
	Depth	:	0.0		
Site	<u>e</u>	!!!	0.1-1		
Site	Type	:::	POND		

51 te 10	Depth	Sample Date	Lab	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Unit Conc. Meas.	Flag Codes	Data Quals
:	;	: : : : : : : : : : : : : : : : : : : :	;	:			1 1			:
001-1	0.0	17-sep-1993	PC	*		Total petroleum hydrocarbons	2	1000,000 UGL	-	
		•		UH21 W	01-35-2	Toxaphene / Chlorinated camphene / Camphechlor / Alltox /	Q	0.500 UGL	-	
					i					
					03-71-9 07-28-2	alpha-thlordane brn 1221	_ S	0.020 UGL	۰	
					2 03 -00		2 <u>-</u>	0.066 1161	-	
					13-65-9		; 5			
				•	19-84-6		=	0.043 UGL		
					19-85-7		5	0.011 UGL		
					19-86-8		ב	0.049 UGL		
					21-93-4	_	5	0.070 UGL		
					24-57-3		ב	0.006 UGL		
					31-07-8		<u>:</u>	0.020 UGL		
					41-16-5		오 !			
					50-29-3		<u>=</u> !			
					70-06	Lindane / gamma-benzene nexachioride /		U.045 UGL		
						gallilia menachi to by crollenalie / Tarpila, carpila, chera, darpila, carpila Speta- Hexach*	•			
					59-98-8		-	0.009 1161		
					60-57-1		; -	0 032 1161		
					2-78-99		; <u>-</u>	0.05 161		
					69-21-0	. –	; <u>5</u>	0 100 1161	-	
					72-20-8	_	<u>-</u>	0.037	-	
					72-20-6		5 5		-	
					72-43-5	_	<u> </u>		-	
					!		į			
					72-54-8	ppDDD / 1.1-Dichloro-2.2-bis(p-chlorophenyl)ethane / Rhothane /	17 /	0.085 UGL		
					72-55-9		-	0.095 UGL		
					74-11-2		2	0.100 UGL	-	
					76-44-8		17			2
		-								
					94-70-5		ב	0.028 UGL		
					96-82-5		₽	0.100 UGL	-	
					97-69-1		웆	0.100 UGL	-	
A23-1	0.0	23-sep-1993	5	≭ 00		Total petroleum hydrocarbons		2000.000 UGL		
		-				Total petroleum hydrocarbons	_	84000.000 UGL		
A11-1	0.0	17-sep-1993	5	UMO5 W		Xylenes, total combined		5.000 UGL	œ	
						trans-1,3-Dichloropropene	웆	5.000 UGL	~	
					00-41-4	Ethylbenzene	Q	5.000 UGL	~	
					00-45-5	Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene /	Ş	5.000 UGL	œ	
					;					
					2-90-20			5.000 UGL	~	
					08-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pentanone	2 2 2	10.000 UGL	œ 6	
					7-00-00		€ €	2.000 UGL	× 4	
				•	1004-00-1	colorobenzene / monocolorobenzene k pis.1 1. bishloropropulana / pis.1 1. bishloropropo	⊋ ⊊	5.000 UGL	× 6	
							ş	7.000 UGE	£	

^{* -} Analyte Description has been truncated. See Data Dictionary.

SUMP TANK Data Quals

Final Documentation Appendix Report
Installation :Woodbridge Res Facility, VA (WB)
File Type: CSW
Sampling Date Range: 01-APR-94
14-OCT-94

Flag		: :								Ŀ	. €								Ĺ	. >	> >	>	>	>		>	>	>	>	^	^	>	>	>	ΤV	>	>	>	>	> >	· >	>	>	>	>	
Unit	Meas	TOO	UGL	UGL	UGL	UGL	UGL	ngr		ner	UGL	IDD	ner	11011	11911	1131	151	50	igi.	ngi.	190	TSD	UGL	UGL	UGL	UGL	NGL	NGF	UGL	UGL	UGL	UGL	UGL	UGL	NGL	UGL	UGL	UGL	OGL	191	190	ndr	ngr	UGL	UGL	
	Conc.	, , , , , ,	40	e.	∞.	ĸ.	+	7		ю	-	69	۳.	•	Ņ			ı	m	150	270	600	130	2	8.0 E 8	.74	793	18000	100	200	226	30.9	63.1	17800	13	1.5 E 6	100	92	62.9	52.4	2.5	9.18	15	25	20	
Meas.	Bool.	Q.		QN	Q.	ND ON	N ON	QN QN		ND	NO		QN QN	QN	QN	QN	Ę)	QN					Q.		LT			LT	LT		Ľ	LT		ΩN		LT		LT		LT		LT	LT	겁	
	Analyte Description	Total petroleum hydrocarbons	Lead	Ethylbenzene	Toluene	Benzene	o-Xylene / 1,2-Dimethylbenzene	<pre>m- and/or p-Xylene (undifferentiated)</pre>	/ 1,3- and/or 1,4-Di*	Lead	Total petroleum hydrocarbons	Lead	Ethylbenzene	Toluene	Benzene	o-Xylene / 1,2-Dimethylbenzene	m- and/or p-Xvlene (undifferentiated)	/ 1,3- and/or 1,4-Di*	Lead	Lead	Arsenic	Selenium	Antimony	Thallium	Ethylene glycol / 1,2-Ethanediol	Mercury	Aluminum	Iron	Lead	Magnesium	Manganese	Molybdenum	Nickel	Potassium	Silver	Sodium	Thallium	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	
;	CAS No.		7439-92-1	100-41-4	108-88-3	71-43-2	95-47-6			7439-92-1		7439-92-1	100-41-4	108-88-3	71-43-2	95-47-6			7439-92-1	7439-92-1	7440-38-2	7782-49-2	7440-36-0	7440-28-0	107-21-1	7439-97-6	7429-90-5	7439-89-6	7439-92-1	7439-95-4	7439-96-5	7439-98-7	1440-02-0	7440-09-7	7440-22-4	7440-23-5	7440-28-0	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	
	Matrix	M/ 00	M/0109	8020/W						6010/W	M/ 00	6010/W	8020/W						M/0109	6010/W			7041/W	7840/W	8015/W	SB07/W	SS15/W										•									
Lab	Lab Anly. No.	109142								109177	109150								109185	162981																										
	Lab	2								PC C	P.C								PC	PC																										
Sample	Date	18-MAY-94					•			18-MAY-94	18-MAY-94								18-MAY-94	22-JUL-94																										
	Depth	0.0								0.0	0.0								0.0	0.0																										
										102	103								08AQ0104	26AQ0101																										
	Sample No.	08AQ0101								08AQ0102	08AQ0103								087	26A																										
Field		A23-1 08AQ0101								08800	084001									A26-3 26A																										

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
Sampling Date Range: 01-APR-94

		Quals																																													
	Flag	Codes	1 1 4 5						В																	Д																					
	Unit	Meas.	:	nce	DDD	ngg	ngg	OCG	ngg	ngg	ngg	ngg	UGG	DDD	nge	ngg	nge	ngg	กรูร	ngg	ngg	ngg	neg	ngg	ngg	ngg	DDO	DDO	DDO	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	ngg	UGG	ngg	ngg	ngg	ngg	UGG	nga	
		Conc.	:	11.5	47.3	41.4	1020	1.4	9.5	14000	27000	4380	133	23.3	1100	568	108	.967	54.1	8.37	21	63.6	62.4	1360	1.6	11	13000	21000	3270	157	13.7	939	234	58.3	.841	20.2	8.49	14.2	43.6	50.3	326	11	4.3	109	7.8	1.4	
	Meas.	Bool.	;																																												
01-MAY-94																																												irocarbons			
sampiing Date kange: 01-APK-94		Analyte Description	1 1 1 7 7 8 6 5 6 8 8 8 8	Copper	Vanadium	Zinc	Calcium	Arsenic	Lead .	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Lead	Lead	Total petroleum hydrocarbons	Lead	Lead	
ig Date Kan	;	CAS No.	!	7440-50-	7440-62-	7440-66-	7440-70-	7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-	7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-	7439-92-	7439-92-		7439-92-	7439-92-	
samp111		_	1 1 1 1	JS14/S				2062/S	6010/S	JS14/S															2062/S	6010/S	JS14/S															6010/8	6010/S	s/ 00	6010/S	e010/s	
	Lab	Lab Anly. No.		89648				95968																	89605																	81370	81272	81299		81310	
		Lab		PC C				5 S																	D.																	PC	<u>Б</u>	PC		PC	
	Sample	Date	:	28-APR-94				28-APR-94																	28-APR-94																	18-APR-94	18-APR-94	18-APR-94		18-APR-94	
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	Field	Sample No.		07BH0208				07BH0209																	07BH0269																	08BH0103	08BH0105	08BH0303		08BH0305	
	O)			5 A07-2																																						A08-1		A08-3			
	Site	Type	-	BORE																																						>		ì	۷		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
Sampling Date Range: 01-APR-94

							Samplin	g Date Ra	Sampling Date Range: 01-APR-94					
Site	Site	Field	:	Sample		Lab	Meth/			Meas.		7	5	
adk.	•	sample No. Depth	Depth	Date	Lab	Lab Anly. No.	Matrix	CAS No.	lyte D	Bool.	Conc.	Meas.	Codes	Data Quals
✓ BORE	A08-3	08BH0369	8.0	18-APR-94		81205	5/0109	2430-02	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!!!!!	:	:		
								77. 54 0	Lead Lead		7.3	ngg		
,								9-16-71	ppuum / 1,1-Dichloro-2,2-bis(p- chlorophenv] ethane / photh*		4,4 E -3	DDO		
>	A08-4	08BH0402	2.0	21-APR-94		85235	6010/8	7439-92-	Lead		ć t	į		
	A12-1	12BH0101		18-APR-94	PC 8				Total netroleum hydrogarhous		7.2	ngg		
								7440-38-	Arsenia		25.9	กติด		
								7439-92-	ייייי לינייי לינייי לינייי		.	ugg		
							JS14/S	7429-90-	Aluminum		9.8	กลูด	മ	
								7439-89-	Iron		22000	000		
								7439-95-	Magnesium		27000	ეეე 133		
							•	7439-96-	Manganese		סננ	200		
								7440-02-	Nickel		12.4	200		
								7440-09-	Potassium		506	990		
							•	7440-23-	Sodium		71.2	950		
							•	7440-39-	Barium		1. 08	550		
							•	7440-41-	Beryllium		1.10	200		
								7440-47-	Chromium			200		
							•	7440-48-	Cobalt		67.3	250		
							•	7440-50-	Conner		7.82	ngg		
							•	7440-62-	Vanadium		9.66	ngg		
								70.055	למוומעדתווו מי:		48.8	ngg		
							-	1440-66-	Zinc		54.6	ncc	В	
								7440-70-	Calcium		903	ngg	ı	
							LM30/S		Unknown compound 531		6	991	e s	
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									Unknown compound 535			555	2 0	
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						_	LM33/S 6	67-64-1	Acetone		6.9 82	550	3	
							7	78-93-3	Methyl ethyl ketone / 2-Butanone			555		
											3.3 E = 3	2 5	c	
									Unknown compound 305		7 (1 (2 (2	0	
		12BH0103	5.0 1	18-APR-94	PC 81	81094	2062/5 7	7440-38-	Arrest Composition 1000		Ħ	ngg	S	
								7439-92-	יייייייייייייייייייייייייייייייייייייי			ngc		
						,	7 2/8727	77.20.00	Manager 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8.6	ngg	В	
						,		429-70-	Aluminum		20000	ngg		
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^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO

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Control of Control o	3 ;	compte no.	neben	חמרב	Lab Ally. No		CAS NO.	Analyte Description	Bool,	Conc.	Meas.	Codes	Quals
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1314/6 1723-90 Munitima 13100 UGG 1713-95 Magnesium 13100 UGG 1714-95 Magnesium 131000 UGG 1714-95 Magnesium 131000 UGG 1714-95 Magnesium						6010/S	7439-92-	Lead		8.12	ngg		
1732-56 Magnesium 20000 UGG 1743-66 Magnesium 236000 UGG 1741-05 Potasasium 236000 UGG 1741-05 Potasasium 236000 UGG 1741-05 Potasasium 23601 UGG 1741-05						JS14/S	7429-90-	Aluminum		13000	ngg		
1435-55- Magnesium 1435-56- Magnesium 1435-56- Magnesium 1435-56- Magnesium 1435-66- Magnesium 1435-66- Magnesium 1440-02- Michel 8,030 COG 1440-02- Michel 1440-12- Michel							7439-89-	Iron		20000	ngg		
1440-12- 1440-12-							7439-95-	Magnesium		2380	ngg		
1440-02 Michael 8 0 0 0							7439-96-	Manganese		320	nec		
1440-23 Rotassium 1440-34 Rotassium 1440-34 Rotassium 1440-34 Rotassium 1440-34 Rotassium 1440-44 Rotassium 1440-44 Rotassium 1440-44 Rotassium 1440-44 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-46 Rotassium 1440-47 Rotassium 1440-48 Rotassium 1440-47 Rotassium							7440-02-	Nickel		8.03	ngg		
1440 19-2							7440-09-	Potassium		552	ngg		
1400-41- Partium							7440-23-	Sodium		104	990		
7400-41 Chromium 1400-41 Chromium 1400-42 Chromium 1400-42 Chromium 1400-42 Cholis Cho							7440-39-	Barium		37.4	990		
1440-47 Chromitum 19:7 19:5 1							7440-41-	Beryllium		69	000		
140-48 - Cobalt 140-60 1							7440-47-	Chromium		19.7	ם מ		_
1440-62 - Vanidium 14.0 - Vani							7440-48-	Cobalt		7 18	550		4
1440-62 Zinc 1440-62 Zinc 1440-66 Zinc 140-70 Calcium 140 Minown compound 531 140 Minown compound 534 140 Minown compound 547 140 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 547 141 Minown compound 548 141 Minown compound 549							7440-50-	Copper		0 T T T	550		
1440-66 - Zinc 1440-70 Calibrium Calibrium Cal							7440-62-	Vanadium			201		
1440-70 Calcium 188 UNION UNION Calcium 188 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UNION Calcium 198 UNION UN							7440-66-	Zinc		2:4:	550		
DM30/S Unknown compound 531 17 UGG							7440-70-	Calcium		189	550		
Unknown compound 534 1 000 Unknown compound 537 2 0.00 Unknown compound 547 2 0.00 Unknown compound 547 2 0.00 Unknown compound 640 2 0.00 Unknown compound 640 1 0.00 Unknown compound 640 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 642 1 0.00 Unknown compound 645 1 0.00						LM30/S		Compound		2 -	ָבָּבְיבָיבְ בַּבְּיבְיבָ	ç	
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Unknown compound 645 Unknown compound 645											ngg	s	
08BH0608 B.O 02-MAK-95 PC 52639 2062/S 7440-38- Arsenic 1.11 6010/S 7439-92- Lead 7.88 JS14/S 7429-90- Aluminum 18000 7439-89- Iron 20000 7439-95- Manganese 230 7440-02- Nickel 9.85 7440-02- Nickel 1030 7440-03- Barium 7440-03- Barium 7440-11- Beryllium 7440-41- Chromium 7440-41- Cobalt 6.42 7440-41- Cobalt 10.8	,							compound		8 E	ngg	S	
7439-92- Lead 7429-90- Aluminum 7439-99- Aluminum 7439-95- Manganese 7439-95- Manganese 7440-02- Nickel 7440-03- Sodium 7440-39- Barium 7440-41- Beryllium 7440-41- Chromium 7440-41- Cobalt 7440-40- Copper	D - D	80904880		02-MAK-95		2062/5	7440-38-	Arsenic		1.11	ngg		
1429-90- Aluminum 18000 1429-90- Aluminum 18000 1439-89- Iron 20000 20000 1439-95- Magnesium 2310 2310 2310 2310 2310 2310 2310 2310						8/0109	7439-92-	Lead		7.88	ngg		
Iron Magnesium 20000 Magnesium 2310 231						JS14/S	7429-90-	Aluminum		18000	ngg		
Magnesium 2310 Manganese 230 Nickel 9.85 Potassium 1030 Sodium 81.7 Barium 81.7 Chromium 69.85 Cobalt 6.42 Copper 10.8							7439-89-	Iron		20000	ngg		
Manganese 230 Nickel 9.85 Potassium 1030 Sodium 81.7 Barium 43.5 Beryllium 69. Chromium 25.9 Cobalt 6.42 Copper 10.8 Vanadium 10.8							7439-95-	Magnesium		2310	UGG		
Nickel Potassium 1030 Sodium 81.7 Barium 43.5 Beryllium 69 Chromium 25.9 Cobalt 6.42 Copper 10.8 Vanadium 10.8							7439-96-	Manganese		230	ngg		
Potassium 1030 Sodium 81.7 Barium 43.5 Beryllium 69 Chromium 25.9 Copper 10.8							7440-02-	Nickel		9.85	ngg		
Sodium 81.7 Barium 43.5 Beryllium 69 Chromium 25.9 Cobalt 6.42 Copper 10.8							7440-09-	Potassium		1030	OCC		
Barium 43.5 Beryllium 69 Chromium 25.9 Cobalt 6.42 Copper 10.8							7440-23-	Sodium		81.7	100		
Beryllium .69 Chromium .69 Cobalt .6.42 Copper .10.8							7440-39-	Barium		. 18 . 13	550		
Chromium 25.9 Cobalt 6.42 Copper 10.8							7440-41-	Beryllium		69	100		
Cobalt 6,42 Copper Uanadium							7440-47-	Chromium		0 40			
Copper							7440-48-	Cobalt		2.5	מנים		-
Variation							7440-50-	Conner		1 0	55 5		
							7440-62-	Variation		9.07	3		

^{· -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
01-MAN-95

	Dat a	Quals	,																																												
	Flag	Codes	:		Ę	99	200	a co		ີ່	น เ	2											·	_						SB	SB	SB	S	SB	U,	S.S.	1										
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01-MAY-95																																															
Sampling Date Range: 01-MAR-95		Analyte Description		Calcium	Unknown compound 531		Unknown compound 537	Unknown compound 538	Unknown compound 547	Unknown compound 622	Unknown compound 068	Arsenic	Lead	Aluminum	Iron	Magnesium ·	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	14:10 Daling	1000			compound	compound	compound	compound	Unknown compound 068	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Boring	partam
g Date Ra	:	CAS NO.	7440-66-	7440-70-								7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-))								7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	
Samplin		Mal r 1 x	JS14/S		LM30/S						LM33/S	2062/S														•	•	•	5/05MJ									6010/5		•		•	•		•		
	Lab	tata MILY. NO.										PC 52655																									PC 49131										
	Sample		02-MAR-95									02-MAR-95																									01-MM-10										
	Denth	1										9.0))										
	Field Sample No Death		08BH0608									6090H860																								0000000											
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^{&#}x27; - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

ite Site	Field		Sample		Lab			Meth/	Меав.		Unit	Flaq	Dat.a
.ype ID	Sample No. Depth	. Depth	Date	Lab	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bool.	Conc.	Meas.	Codes	Quals
ORF ADB-9	08840906	0.9	01-MAR-95	2	49158	2/25M.1	1 1 1 1 1	The bound company of	; ; ;	; 6		;	!
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								compound		ш	ngg	o va	
								Unknown compound 359		[1]	ngg	S	
MM-35	08MW3506	6.0	01-MAR-95	D.	49166	6010/S	7439-92-	Lead		8.19	ngg		
						JS14/S	7429-90-	Aluminum		14000	nce		
							7439-89-	Iron		8500	DDO		
							7439-95-	Magnesium		2150	ngg		
							7439-96-	Manganese		46.7	ngg		
							7440-09-	Potassium	٠	474	ngg		
							7440-23-	Sodium		78.3	ngg		
							7440-39-	Barium		35.1	DDO		
							7440-41-	Beryllium		.345	DDO		
							7440-47-	Chromium		21.2	nec		1
							7440-48-	Cobalt		5.11	ngg		
							7440-50-	Copper		6.41	ngg		
							7440-62-	Vanadium		30.9	ngg		
							7440-66-	Zinc		25.2	UGG		
							7440-70-	Calcium		161	UGG		
						LM30/S		Unknown compound 531		4	000	e S	
										. 4	1100) G	
								punoduos			990	9 5	
								puncamos		- G B	550	9 5	
								punoduos			550	3 5	
						LM33/S		parioamos		: -		3 5	
MW-36	08MW3608	8.0	02-MAR-95	PC	52612	2062/5	7440-38-	3			200	n o	
						6010/8	7439-92-	Lead		11.2	201		
						JS14/S	7429-90-	Aluminum		20000	201		
							7439-89-	Iron		26000	מטים		
							7439-95-	Magnesium		3220	ngg		
							7439-96-	Manganese		520	ngg		
							7440-02-	Nickel		12.3	nee		
							7440-09-	Potassium		684	UGG		
							7440-23-	Sodium		87.4	ngg		
							7440-39-	Barium		53,8	DBC		
							7440-41-	Beryllium		. 805	000		
							7440-47-	Chromium		2.8	000		•
							7440-48-	Cobalt		7 9.	550		-
-							7440-50-	3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			990		
							7440 62	Unnadion		12.9	990		
							7440-62-	vanacium		56.1	000		
							-440-66-	611C		43.9	ned		
							1440-70-	Calcium		289	ngg		

^{· -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
01-MAY-95

						Sampiir	ng Date Ra	Sampiing Date Range: 01-MAR-95	01-MAY-95						
Site Site Type ID	Field Sample No Death	Den t	Sample	- - -	Lab	Meth/	:			Meas.		Unit	Flag	Data	
			ייייייי	יייי	Lab Anty. NO.	Macrix	CAS NO.	Analyte Description		Bool.	Conc.	Meas.	Codes	Quals	
BORE NW-36	08MN3608	8.0	02-MAR-95	PC		LM30/S				! !			:		
											٠		ກ ຄື		
								compound			2 0	5 5	9 0		
								Unknown compound 537			10	000	g g		
								combonnd			~	920	S		
						1		combound			٦.	ngg	SB		
	00 A CWM 00	6			0	LM33/S		Unknown compound 273			6 E -3	UGG	S		
	COOCHEGO	0.0	02-MAK-95	بر در	52620	2062/5	7440-38-	Arsenic			1.39	nec			
						6010/S	7439-92-	Lead			11	133			
						JS14/S	7429-90-	Aluminum			21000	ngg			
							7439-89-	Iron			28000	ggn			
							7439-95-	Magnesium			3260	990			
							7439-96-	Manganese			510	991			
							7440-02-	Nickel			13	551			
							7440-09-	Potassium			857	991			
							7440-23-	Sodium			102	991			
							7440-39-	Barium			51.3	991			
							7440-41-	Beryllium			. 805	990			
							7440-47-	Chromium			28.5	950		-	
							7440-48-	Cobalt			11.8	500		•	
							7440-50-	Copper							
							7440-62-	Vanadium			2 5	5 50			
						•	7440-66-	Zinc			. B. J.	000			
						•	7440 20	0.1			43.2	GGG			
							-0/-04-				241	ngg			
						LM30/S		compound	٠		'n.	ngg	SB		
	٠							compound			.2	ngg	SB		
						•					10	ngg	SB		
											.1	nge	SB		
											9.	nge	S		
											9 E -2	ngg	S		
								Unknown compound 637				ngg	c/s		
7 F - WW	SOCCOMBO		4				67-64-1	Acetone			4.0 E -2	ngg	-		
/ C = WI.1	001/843/00	٥.	02-MAK-95	ž	52604	s/ 00		Total petroleum hydrocarbons	suoq		159	ngg			
							7439-92-	Lead			6.22	ngg			
						JS14/S	7429-90-	Aluminum			12000	000			
						-	7439-89-	Iron			7700	000			
						-	7439-95-	Magnesium			1620	001			
						-	7439-96-	Manganese			32.4	551			
							7440-09-	Potassium			544.	500			
						•	7440-23-	Sodium			730	555			
						•	7440-39-	Barium			1. C. T.	3 5			
						• -	7440-41-	Beryllium			2 2 2	200			
						• •	7440-47-	Chromium			د/د.	9			
											20.7	ngg		I	

^{• -} Analyte Description has been truncated. See Data Dictionary

Jan Sand

14-JUL-:

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
01-JUL-95

Flag Codes	UGL S	ngr s	UGL S	UGL S	OGL S	ngr s	ner	UGL	UGL	UGL	UGL	UGL	NGL	UGL	UGL	UGL	UGL	UGL	UGL	UGL	ngr	UGL	ngr	UGL	UGL	UGL	ngr	UGL	UGL	UGL	UGL	U GL	ngr	UGL	UGL	UGL	UGL	ndr	UGL	UGL	UGL	UGL	UGL	
	Ω 9	9	Ω 9	O 9	D 8		3720 U		7170 U				9							•						_			_					•		43.7			5100	270 t	16200			
Meas. Bool.	f 																					•																						
Analyte Description	Unknown compound 284	Unknown compound 285			Unknown compound 304	Unknown compound 576	Magnesium	Manganese	Sodium	Barium	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Zinc	Calcium	Magnesium	Manganese	Potassium	Sodium	Barium	Calcium	Magnesium	Manganese	Potassium	soaium 	Barium	Calcium	Magnesium	Manganese	Sodium	Barium	Zinc	Calcium	Iron	Magnesium	Manganese	Sodium	Barium	Zinc	
CAS No.							7439-95-	7439-96-	7440-23-	7440-39-	7440-70-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-66-	7440-70-	7439-95-	1439-96-	7440-09-	7440-23-	7440-39-	1440-70-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	1440-10-	7439-95-	7439-96-	7440-23-	7440-39-	7440-66-	7440-70-	7439-89-	7439-95-	7439-96-	7440-23-	7440-39-	7440-66-	
Meth/ Matrix	UM05/W					UM06/W	SS15/W					SS15/W								SS15/W						SS15/W						M/STSS						SS15/W					•	
Lab Lab Anly. No.							107972					109835								102512						PC 102520						102490						102504						
Lab	PG PG						PC					PG								N N					,	D D					ç	ر بد						PC C						
Sample Date	21-APR-95						21-APR-95					24-APR-95								18-APR-95					;	18-APR-95					4	18-APK-95						18-APR-95						
Depth	_						0.0					0.0								0.0						0.0						0.0						0.0						
Field Sample No. Depth	08MW3302						08MW3402					08MW3501								08MW3601						08MM3609						ORWM3/OT						08MW3801						
Site Site Type ID	2.						MW-34					MW-35								MW-36												MM - 37						MW-38						

Analyte Description has been truncated. See Data Dictionary

USTS NORTH OF BUILDING 202

TABLE H-3 SUMMARY OF INORGANIC RESULTS FOR SCR SOIL SAMPLES AT EXISTING/FORMER UST NORTH OF BUILDING 202

Analytes ⁽¹⁾	Detection Limits	BH-37 (6.0 feet bgs)	BH-38 (6.0 feet bgs)	BH-40 (6.0 feet bgs)
Aluminum	10.7	12,000	12,000	7,600
Antimony	82.9	ND	ND	ND
Arsenic	0.200	ND	ND	.496
Barium	4.87	58.80	73.40	21.40
Beryllium	0.250	.575	.69	.46
Cadmium	0.427	ND	ND	ND
Calcium	109	224	470	122
Chromium	0.974	20.70 1	25.70 I	9.94 1
Cobalt	2.50	4.03	3.26	7.29
Copper	3.38	7.57	10.60	4.84
Cyanide	1.22	ND	ND	ND
Iron	12.0	7,700	8,600	14,000
Lead	0.700	6.22	8.47	4.00
Magnesium	138	1,620	2,250	953
Manganese	0.511	32.40	42.50	240
Mercury	0.0870	ND	ND	ND
Molybdenum	4.00	ND	ND	ND
Nickel	7.50	ND	8.89	ND
Potassium	142	544	528	352
Selenium	12.4	ND	ND	. ND
Sodium	50.0	154	165	73
Thallium	12.5	ND	ND	ND
Vanadium	2.00	29.5	37.40	20.70
Zinc	4.00	24.10	36.50	17.80

Key: B = Flag for analyte found in method blank or QC blank as well as the sample
Due to sample matrix or high concentration samples preceding low concentration samples, carry-over is possible. This could lead to instrument cross-contamination which will affect any positive compound identification.

ND = Not Detected

bgs = Below Ground Surface

Note: (1) Concentrations reported in micrograms per gram (μ g/g) equivalent to parts per million (ppm)

TABLE H-4 SUMMARY OF INORGANIC RESULTS FOR SCR WATER SAMPLES AT EXISTING/FORMER UST NORTH OF BUILDING 202

Analytes ⁽¹⁾	MW-37	MW-38	MW-39	MW-40
Aluminum	ND	ND	· ND	ND
Antimony	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND
Barium	48.4	40.3	30.2	83.7
Beryllium	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND
Calcium	9,680	8,640	5,300	10,200
Chromium	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND
Copper	ND	ND	ND	ND
Cyanide	ND	ND	ND	ND
Iron	ND	226	ND	532
Lead	ND	ND	ND	ND
Magnesium	4,680	5,100	5,270	7,360
Manganese	321	270	326	346
Mercury	ND	ND	ND	ND
Molybdenum	ND	ND	ND	ND
Nickel	ND	ND	ND	ND
Potassium	ND	ND	ND	ND
Selenium	ND	ND	ND	ND
Sodium	16,900	16,200	5,690	15,700
Thallium	ND	ND	· ND	ND
Vanadium	ND	ND	ND	ND
Zinc	43.7	30.5	92.6	28.5

Key: ND = Not Detected

Note: (1) Concentrations reported in micrograms per liter (μ g/L) equivalent to parts per billion (ppb).

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO Sampling Date Range: 01-APR-94

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Unit	N C	n d u	: : : : : : : : : : : : : : : : : : : :	ncc	SSC	ngg	ngg	ngg	ניי			200	ggn	ngg	נוטט	UGG	ngg	ngg	ngg	ngg	ngg	ngg	DDD	nec	OCC	DDD		ngg	ngg	nag		DDO	ngg	nag	UGG	ngg	ngg	ngg	ngg	ngg	ngg	neg	551			3	000	000
	, ac	colle.	;	4900	271	113	6.83	6.37	7.25) i u	1	4	e.	.2		٠,	353	13	7.8	75.2	12	4.7	7.1	2170	13	1.7 E -2		149	8.3	3.9 E -3		5.2	7.1	1.6	18	11000	14000	17.1	736	2600	11.7	304	124		70.5	6.11	26.4	7.57
Meas.	ניטמ		1 1 1																																													
	Analyte Description	maryre peacetheron	7 3 5 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Iron	Magnesium	Manganese	Barium	Chromium	Vanadium	7,00	Tables on some and forth			Unknown compound 624	Unknown compound 636	Unknown compound 638	Total petroleum hydrocarbons	Lead	Lead	Total petroleum hydrocarbons	Lead	Lead	Lead	Total petroleum hydrocarbons	Lead	2,2-Bis(p-chlorophenyl)-1,1-	dichloroethene	Total petroleum hydrocarbons	Lead	2,2-Bis(p-chlorophenyl)-1,1-	dichloroethene	Lead	Lead	Arsenic	Lead	Aluminum	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Barium	Beryllin	Chromium		Cobalt	Variacium
	ON SAN			7439-89-	7439-95-	7439-96-	7440-39-	7440-47-	7440-62-	7440-66-								7439-92-	7439-92-		7439-92-	7439-92-	7439-92-		7439-92-	72-55-9		٠	7439-92-	72-55-9		7439-92-	7439-92-	7440-38-	7439-92-	7429-90-	7439-89-	7439-92-	7439-95-	7439-96-	7440-02-	7440-09-	7440-39-	7440-41-	7440-47-	-/	7440-48-	-70-055/
Meth/	Marrix	ומרדדע	 	JS14/S							0/0CM1	DE 20/ 0					s/ 00	6010/8	6010/S	s/ 00	6010/8	6010/S	6010/8	s/ 00	6010/8	8/0808		s/ 00	6019/8	8/0808		8/0109	8010/S	2062/S	8/0109	JS14/S												
Lab	Lab Anly No	D MILLY: NO.		82660													81213		81221	81230		81248	81337					79928				79901	3 81353	3 84573														
Sample	Date 1.a			19-APR-94 PC													18-APR-94 PC		18-APR-94 PC	18-APR-94 PC		18-APR-94 PC		14-APR-94 PC				14-APR-94 PC				14-APR-94 PC	18-APR-94 PC															
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Field	Cample No Denth	Sample to		21BH0405													23BH0102		23BH0104	23BH0202		23BH0204	08BH3105	08BH3204				08BH3206				08BH3305	08BH3405	25551001														
Site	Ę			A21-4													A23-1			A23-2			MW-31	MW-32	:							MW-33	MW - 34	A25-10														
Site	Ĺ	1 ype	:	PORE																														GRAB														

Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO

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Conc.					ž -	2 6	: -	: : ч		۲۰.۵γ	21000	00047	3260	2200	010	130	201	201	20.50	7 B C			7 01		3.5	T 1-7	ņ (7) r	·			· ·	V - 2 0 - F	159	6.22	12000	7700	1620	32.4	544	154	58.8	.575	20.7
Meas. Bool.																																													
Analyte Description		Unknown compound 525		compound		compound		compound	ı	Lead	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Barium	Beryllium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Unknown compound 531			compound				Acetone	Notal petroleum hydrocarhons	Lead	Aluminum	1.00	11011	agresium	danganese Dottoni	rocassium Sodium	Soutum	Down 1 1 1 1 1 1	Chromium	וודסוודתווו
		,	_	٦	נ	נ	נ	כ	7440-38- A	7439-92- L	7429-90- A		_	7439-96- M	7440-02- N	7440-09- P	٠,	_	_	_	_		7440-62- V	7440-66- Z	_	Ď	Đ	ā	ā	ā	ភ	ธิ	67-64-1 Ac	ĭ	7439-92- Le	,		,	_			-		_	
		LM30/S						LM33/S		6010/5 7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	LM30/S								30 /s		JS14/S 7		, ,,	· 'č	,,,	,,,		, ,	7.	
		PC 52612							PC 52620																									PC 52604											
Sample Date		02-MAR-95							02-MAR-95																									02-MAR-95											
Depth	i	8.0							9.0																									0.9											
Field Sample No. Depth	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	08MW3608							08MW3609																									08MW3706											
e Site		.E MM-36																															1	NW - 3 /											
Site		j n																																											

^{· ·} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (WB) File Type: CSO 01-MAX-95

Sampling Date Range: 01-MAR-95 01-MAY-95

	Data	Quals																																		н											
	Flag	Codes	:								٠	E.	, v	S. S.	SB	S	S	S	S	S	-	S		· v	,																	ES.	. E			SB	
	Unit	Meas.	:	ngg	nec	ngg	ngg	ngg	500	100	200	000	990	ngg	nge	ngg	กนิต	ngg	ngg	ngg	ngg	gga	ngg	ngg	000	ngc	ngg	ngg	agg	ngg	ngg	ngg	gga	ngg	ngg	ngg	ugg	ngg	000	133	200	000	550	000	991	ngg	
		Conc.		4.03	7.57	29.5	24.1	224	.42	60	99			10	4.	۲.	۲.	2.	9 E -2	4.	2.6 E -2	9 E - 3	6 E - 3	7 E -3	82.3	8.47	12000	8600	2250	42.5	8.89	528	165	73.4	69.	25.7	3.26	10.6	37.4	5.98	470	'n	?	ļ -	0.	2.7.	
	Meas.	Bool.	1																																												
sampiing pare kange: Ui-MAK-95		Analyte Description		Cobalt	Copper	Vanadium	Zinc	Calcium	Phenanthrene	Naphthalene / Tar camphor	2-Methylnaphthalene	Unknown compound 531	Unknown compound 534	Unknown compound 538	Unknown compound 547	Unknown compound 575	Unknown compound 581	compound	Unknown compound 614	Unknown compound 622	Acetone	Unknown compound 068	Unknown compound 095	Unknown compound 303	Total petroleum hydrocarbons		Aluminum	Iron	Magnesium	Manganese	Nickel		•	Barium	Beryllium	_	Cobalt	_	Vanadium	Zinc	Calcium	Unknown compound 531	Unknown compound 533	compound	Unknown compound 537		
ול המרפיג		CAS No.		1440-48-	7440-50-	7440-62-	7440-66-	7440-70-	85-01-8	91-20-3	91-57-6										67-64-1					7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-02-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-						
Sampiin	Meth/	Matrix		0514/5					LM30/S												LM33/S				s/ 00	6010/S	JS14/S															LM30/S					
	Lab			PC 52604																					PC 52647							÷															
			10 447 60 0																						6.0 02-MAR-95																						
	Field		, , , , , , , , , , , , , , , , , , ,	DO / SMEIGO																					08MM3806																						
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^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CSO
Sampling Date Range: 01-MAR-95

	Flag Data		:												,	-4																												
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01-MAY-95																																												
Sampling Date Range: 01-MAR-95	on the state of th	Analyte Description	Toboom common as					Aluminum	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Chromium	Copper	Vanadium	Zinc	Unknown compound 531	compound		compound	Unknown compound 068	Unknown compound 095	Arsenic	Lead	Aluminum	Iron	Magnesium	Manganese	Potassium	sod1um	Barium	Seryillum	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	Unknown compound 531	Unknown compound 534	Unknown compound 537	Unknown compound sign
Date Ra	0 N	. ON TO.					7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-47-	7440-50-	7440-62-	7440-66-							7440-38-	7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	-7 -0 -	7440-47-	7440-48-	7440-50-	7440-62-	7440-66-	7440-70-				
Sampiing	Meth/ Marrix	VI TOU	870EM		LM33/S	•		JS14/S 7	7	7	7	7	7	,,	, L	<i>'</i> L	7,		LM30/S				LM33/S			6010/S 74		74	74	7.4	9/		7 7		6/ 1	14	74	74	74		LM30/S			
	Lab Anly, No.						PC 52744																		PC 49174																			
	Sample Date		95				03-MAR-95																		U1-MAK-95													·						
	epth		0.9				4.0																		0.0																			
	Field Sample No. Depth		08MW3806				08MW3904																		0.017444.000																			
	Site Site Type ID		BORE MW-38				MM-39																	0.4.0.4																				

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Detectable Results (Hits) Only Installation: Woodbridge Res Facility, VA (MB) File Type: CSO

	Data	Quals														H										
	Flag	Codes	1	SB	S	S															SB	SB	SB	SB	57	SB
	Unit	Meas.	1 1 1 1	ngg	ngg	UGG	ngg	ngg	DDn	ngg	ngg	ngg	ngg	nec	ngg	ngg	nca	ngg	UGG	UGG	UGG	ngg	ngg	ncc	ncc	ngg
		Conc.		.2	۲.	7 E -3	6.44	8300	13000	1590	85.1	1040	59	28.7	.345	17.1	4.94	28.1	22	384	.2	.2	10	۲.	7.	1 E -2
	Меав.	Bool.																								
01-MAY-95																										
Sampling Date Range: 01-MAR-95		Analyte Description		Unknown compound 547	Unknown compound 622	Unknown compound 095	Lead	Aluminum	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Beryllium	Chromium	Copper	Vanadium	Zinc	Calcium	Unknown compound 531	Unknown compound 533	Unknown compound 537	Unknown compound 547	Unknown compound 622	Unknown compound 068
ig Date Ran		CAS No.					7439-92-	7429-90-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-41-	7440-47-	7440-50-	7440-62-	7440-66-	7440-70-						
Samplir	Meth/	_		LM30/S		LM33/S	6010/S	JS14/S													I_M30/S					LM33/S
	Lab	Lab Anly. No.		PC 49174			PC 52752																			
	Sample	Date		01-MAR-95			2.0 03-MAR-95																			
		Depth		6.0			2.0																			
	Field	Sample No. Depth		08MW4006			14MW4102																			
	ite Site	ype ID		ORE MW-40			MW-41																			

^{**} End of Report - 410 - Records Found **

Field Sample No. 26AQ0101 23MW1301

Site Site
Type ID
....
EXCV A26-3

23MW1302 23MW1401

A23-2

Final Documentation Appendix Report Installation :Woodbridge Res Facility, VA (WB) File Type: CGW Sampling Date Range: 01-APR-94

Depth	Sample Date	Lab	Lab Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas.	ţ	Unit	Flag	Data
1		:		11111	;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Heas.	Codes	Onal
0.0	27-JUL-94	PC	166502	M/ 00		Total petroleum hydrocarhons	£			:	:
0.0	17-MAY-94	PC	106690	M/ 00		Total petroleum hydrocarbons	2 5	7007	ngr 	⊢ 1	
				6010/W	7439-92-1		È	7 -	Ton.	H	
				8020/W	100-41-4	Ethylbenzene	Ş	D	3 :		
					108-88-3	Toluene	5 5		Jon .		
					71-43-2	Benzene	£	e u	3 :		
					95-47-6	o-Xylene / 1,2-Dimethylbenzene	9	· -	ָבָּילָבָּילָבָּילָבָּילָבָּילָבָּילָבָּילָבָּילְבָּילְבָּילְבָּילְבָּילְבָּילְבָּילְבִּילְבְּילְבְּילְבְּילְבִּילְבִּילְבְּילְבְּילִבְּילְבְּילְבִּילְבִּילְבִּילְבִּילְבְּילְבְּילְבִּילְבְּילְבְּילְבְּילְבְּילְבְּילְבִּילְבְּילְבִּילְבְּילְבְּילְבִּילְבְּילְבְּילְבִּילְבְילְבְ		
						m- and/or p-Xvlene (undifferentiated)	£ 2				
						/ 1,3- and/or 1,4-Di*	2	4	ngr n		
0.0	17-MAY-94	ក្ខ	106887	6010/W	7439-92-1	Lead	Ę		į	1	
0.0	17-MAY-94	PC	106844	6010/W	7439-92-1	Lead	ğ		ngr 191	ĹL,	
				8020/W	100-41-4	Ethylbenzene	Ş	7. (7 1		
					108-88-3	Toluene	2 5	າ. ເ	Ton		
					71-43-2	Benzene	9		750		
					95-47-6	o-Xylene / 1,2-Dimethylbenzene	9 5	ń	ign n		
						m. and/or n-Xvlene (undifferentiated)	9		מפדי		
						/ 1.3- and/or 1.4-Di*	Q.	→	ngr		
	26-MAY-94	PC	116238	M/ 00		Total petrolem budrosschool	9				
0.0	17-MAY-94	PC	106895	0	7439-92-1	Local Protection Hydrocarbons	D S	-4 ¢	ngr n	H	
0.0	12-MAY-94	č	103799	3/			Q.	~	ngr	Ĺ	
•		,		60107W	1439-92-1	local petroleum hydrocarbons	Ω Ω		ngr	Ħ	
				*/0100	T-76-666	ריייייייייייייייייייייייייייייייייייייי		4	UGL		-
				8020/W	100-41-4	Ethylbenzene	NO	е.	UGL		
					108-88-3	Toluene	QN	6 0,	UGL		
					71-43-2	Benzene	NO ON	ς.	ner		
					95-47-6	o-Xylene / 1,2-Dimethylbenzene	QN	-	ner.		
						m- and/or p-Xylene (undifferentiated)	CIN		tici.		
,	:	1				/ 1,3- and/or 1,4-Di*		•			
0.0	12-MAY-94	υ U	103837		7439-92-1	Lead	N	•	101	ű	
0.0	16-MAY-94	PG	105767	M/ 00		Total petroleum hydrocarbons	N		101	- £	
				6010/W	7439-92-1	Lead		E. 20	101	•	
				8020/W	100-41-4	Ethylbenzene	ND		101		
					108-88-3	Toluene	ΩN		101		
					71-43-2	Benzene	QN	, v	101		
					95-47-6	o-Xylene / 1,2-Dimethylbenzene	CN	!	3 5		
						m- and/or p-Xylene (undifferentiated)	2	٠.	351		
						/ 1,3- and/or 1,4-Di*	!	•	3		
0.0	16-MAY-94	P.	105775	0	7439-92-1	Lead	CZ		į	E	
0.0	17-MAY-94	P.	106674	M/ 00		Total petroleum hydrogarbons	2	, -	5 :	٠ (
				6010/W	7439-92-1	Lead	2 5		ngr.	:-	•
				8020/W	100-41-4	Ethylbenzene	9 9	າ ່	190		
				•	108-88-3	Tolingue	S :	. ·	ngr		
					71-43-2	Rensene	2 :	20 . 1	ng r		
					95-47-6	O-Yvlene / 1 2 Dimethylbonese	S :	ሳ .	ndf		
					,	o-vyrene / r,r-bimetnylbenzene	Q	-	UGL		

23MW1402 08MW3101

MW-31

08MW3102 08MW3201

MW-32

08MW3202 08MW3210

MW-325

Analyte Description has been truncated. See Data Dictionary

Data Quals

Flag Codes

14-JUL-5.

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
Sampling Date Range: 01-APR-94

Unit	Meas.	1 4	HGI.	101	101	101	ונים:	2
	Conc.	:::	3.6	7.2	4		59	
Meas.	Bool.							
	Analyte Description	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lead	Lead	Lead	Lead	Ethylbenzene	
	CAS No.	1 1 1 1 1 1	7439-92-	7439-92-	7439-92-	7439-92-	100-41-4	7410.07.
Meth/	Matrix	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6010/W	6010/W	6010/W	6010/W	8020/W	K010/W
Lab	Lab Anly. No. Matrix		PC 106690	PC 106844	PC 103799	PC 105767	PC 106682	103780
Sample	Date		17-MAY-94	17-MAY-94	12-MAY-94	16-MAY-94	17-MAY-94	12-MAY-94
	Depth	1 1 1 1	0.0	0.0	0.0	0.0	0.0	c
Field	Sample No. Depth	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23MW1301	23MW1401	08MW3101	08MW3201	08MW3212	LOFFWMAO
Site	ID		A23-1	A23-2	MW-31	MW-32	MW-32S	KK-WW
	Type	1 4 4	MELL					

- Records Found ** ** End of Report - 6

· · Analyte Description has been truncated. See Data Dictionary

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Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
01-JUL-95

	Data	Quals	:									•																																	
		_																																											
	Flag	Codes		ם מ	יט ני	ט ני	, u	າ ເ)																																				
	Unit	Meas.				101	121	101		100	ngr	ngr	ngr	UGL	ndr	UGL	UGL	CCL	UGL	UGL	UGL	ndr	UGL	UGL	ncr	UGL	ngr	UGL	ncr	UGE	UGL	ngr	ngr	ndr	NGL	ndr	NGL	UGL	OGE	ndr	UGL	ngr	UGL	UGL	UGL
		Conc.						9	3720	161	7170	31.3	2600	210	11100	394	2940	13800	52.4	26.4	29000	14600	8.03	3640	19200	51.4	22900	14300	9.04	3520	19400	51.4	24000	4680	321	16900	48.4	43.7	0896	226	5100	270	16200	40.3	0.5
		O				vo		φ.			7	C.	3	7	-	m	2	1	ιΩ	2	2	н	8	m	-	Ω.	2	1	60	C	1	S.	2	4	3	7	4	4	6	2	S	2	1	4	ñ
	Meas.	Bool.	;																																										
95																																													
01-JUL-95																																													
•			4			2	4	و																																					
		Analyte Description	Dad 284																																										
- APR - 95		e Descript	Unknown compound	Juknown compound	Unknown compound	Unknown compound	Unknown compound	Unknown compound	ium	ese			E		ium	ese	ium				E	ium	ese	ium			F	ium	ese	1 nm			ε.	mn1	989				E		ium	sse			
ige: 01	,	Analyte	Unknow	Unknow	Unknow	Unknow	Unknow	Unknow	Magnesium	Manganese	Sodium	Barium	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Barium	Zinc	Calcium	Magnesium	Manganese	Potassium	Sodium	Barium	Calcium	Magnesium	Manganese	Potassium	Sodium	Barıum	Calcium	Magnesıum	Manganese	Sodium	Barium	Zinc	Calcium	Iron	Magnesium	Manganese	Sodium	Barium	Zinc
sampiing Dace Kange: 01-APR-95	;	CAS NO.							7439-95-	7439-96-	7440-23-	7440-39-	7440-70-	7439-89-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-66-	-04-01-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-70-	7439-95-	7439-96-	7440-09-	7440-23-	7440-39-	7440-70-	7439-95-	- 38 - 86 -	7440-23-	7440-39-	7440-66-	7440-70-	7439-89-	7439-95-	7439-96-	7440-23-	7440-39-	7440-66-
d butt								~		743	744	744			743	743	744(744(744(7440			743	744	744(744(7430	7440	7440	7440	•	·	1435	7440	744(7440			7435	7435	7440	7440	7440
Samp	Meth/	Macrix	UM05/W					M/90MD	SS15/W					SS15/W								SS15/W						SS15/W					1,100	M/STSS						SS15/W					
	Lab	Lab Anty, NO.	107964						972					109835								102512						520			-		0	0 7.						504					
	1 1	Lab Ant	_						PC 107972					PC 109								PC 102						PC 102520					707601							PC 102504					
	•	- '																																											
	Sample	Dace	21-APR-95						21 APR-95					24 - APR - 95								18-APR-95						18-APR-95					10.004.01	. YAW - 0						18-APR-95					
									0.0					0.0								0.0						0.0					6							0.0					
	_ 5	- 1																																											
	Field	odiiipte Mo	08MW3302						08MW3402					08MW3501							:	08MW3601						08MW3609					TO CEMMA O	O / C MILIO						08MW3801					
	· ·	a 1	0						0					o								O						ټ					c	د						U					
	Site	j ;	MW-33						WW-34				:	MW-35								JW-35											M. 2.7	7 7 11						MW-38					
	lite	ad k	JELL						-																								-	-						•					

^{&#}x27; - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Detectable Results (Hits) Only
Installation: Woodbridge Res Facility, VA (WB)
File Type: CGW
01-JUL-95

Data	Quals							•															
Flag	Codes	1		S							S	S	ະກ	U7								c:	
Unit	Меав.	:	UGL	UGL	UGL	UGL	UGL	11011	55	ner	ncr	ugi,	UGE	UGL	UGL	UGL	UGI,	ngr	UGL	UGL	UGI,	ner,	
	Conc.		8640	8	5270	326	2690	30,2	92.6	5300	26	1.1	7	8	532	7360	346	15700	83.7	28.5	10200	30	
Меав.	Bool.																						
	Analyte Description		Calcium	Unknown compound 060	Magnesium	Manganese	Sodium	Bartum	Zinc	Calcium	Chlorobenzene / Monochlorobenzene	Acetone	Unknown compound 226	Unknown compound 277	Iron	Magnesium	Manganese	Sodium	Barium	Zinc	Calcium	Unknown compound 023	
	CAS No.		7440-70-		7439-95-	7439-96-	7440-23-	7440-39	7410-66-	7440-70-	108-90-7	67-64-1			7439-89-	7439-95-	7439-96-	7440-23-	7440-39-	7440-66-	7440-70-		
Meth/	Matrix		SS15/W	UM05/W	SS15/W						UM05/W				SS15/W							UM05/W	
Lab			PC 102504		PC 101940										PC 101958								
Sample		: : : :	18-APR-95		0.0 17-APR-95 1										0.0 17-APR-95								
	Sample No. Depth	::::	0.0		0.0										0.0								
Field	ple No.		08MW3801		08MW3901										031744 001								
£.	Sam	;	081		081										O								
te Site F		•	MW-38 08!		NW-35 08!										MW-40								

^{**} End of Report - 106 - Records Found **

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FIELD QC ANALYTICAL DATA

RESULTS FOR TRIP BLANKS

Results for Trip Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

Lot Number	EVJ EVJ EVJ EVJ EVJ	EVL EVL EVL EVL EVL	EVM EVM EVM EVM EVM EVM EVM EVM EVM	EVN EVN EVN EVN EVN EVN EVN	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Data <u>Quals</u>					
Flag Codes					KKKKKKKK
Unit Meas	nor nor nor nor	TON NOT NOT NOT	700 700 700 700 700 700 700 700 700	190 190 190 190 190 190 190 190 190	750 750 750 750 750 750 750 750 750 750
Conc.	~i ~i ~d	∧i ⊌i ⊗i	v' u' œ' v' u' œ'	- 14 xi td xxi - 14 xi td xxi	222222
Meas Bool	8 8 8 8 8 8 8 8		2222222	22222222	22222222
nalyte Description	DMB 4DMB rizene hylbenzene oluene	DMB 4DMB rizene hylberizene	DMB 4DMB inzene hylbenzene ibMB inzene ibMB inzene ibMB inzene inzene ihylbenzene	1DMB 4DMB sinzene hylbenzene 1DMB sinzene hylbenzene hylbenzene	1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 2-Dichloroethane 2-Dichloropthane Butanone Hexanone
1 ple ID Analyte Description	4 124DMB 4 134DMB 4 Berzene 4 Ethylberzene 4 Toluene	0 134DMB 0 134DMB 0 Berzene 0 Ethylberzene 0 Toluene	5 12DMB 5 134DMB 5 Berizene 5 Ethylberizene 6 12DMB 6 Berizene 6 Ethylberizene 6 Ethylberizene 6 Toluene	7 12DMB 7 134DMB 7 Benzene 7 Ethylbenzene 7 Toluene 8 134DMB 8 Benzene 8 Ethylbenzene 8 Ethylbenzene 8 Toluene	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 2,1,2-Dichloroethane 2,2-Dichloroptane 2-Butanone 2-Hexanone Acetone
Field Sample ID Analyte Description	TB14 12DMB TB14 134DMB TB14 Benzene TB14 Ethylbenzene TB14 Toluene	TB10 12DMB TB10 134DMB TB10 Berzene TB10 Ethylberzene TB10 Toluene	TB15 TB15 TB15 TB15 TB16 TB16 TB16 TB16 TB16	TB17 TB17 TB17 TB17 TB18 TB18 TB18 TB18 TB18	TB12 1,1,1-Trichloroethane TB12 1,1,2,2-Tetrachloroethane TB12 1,1,2-Trichloroethane TB12 1,1-Dichloroethane TB12 1,1-Dichloroethane TB12 1,2-Dichloroethane TB12 1,2-Dichloroethane TB12 1,2-Dichloroethane TB12 2-Butanone TB12 2-Hexanone TB12 2-Hexanone TB12 Acetone
<u>le 1D</u>					19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12 19-APR-94 TB12
ole Field Sample ID	TB14 TB14 TB14 TB14 TB14	TB10 TB10 TB10 TB10	TB15 TB15 TB15 TB15 TB16 TB16 TB16 TB16 TB16	TB17 TB17 TB17 TB17 TB18 TB18 TB18 TB18 TB18	TB12 TB12 TB12 TB12 TB12 TB12 TB12

Page 1

Results for Trip Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

Lot Number		
Data Quals		
Flag Codes	我民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民民	たたたたたた
Unit Meas	150 150 150 150 150 150 150 150 150 150	
Conc.	***5*****55****5	
Meas Bool	222222222222222222222222222222222222222	<u> </u>
Analyte Description	Benzene Bromodichloromethane Bromodichloromethane Bromomethane C13DCP Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroethene Chloroethene Chloromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methyl isobutyl ketone T13DCP Tetrachloroethene T13DCP Tetrachloroethene T1,2-Dichloroethene Ti,2-Dichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,3-Dichloroethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane 1,3-Dichloromethane	Carbon disulfide Carbon tetrachloride Chloroetrane Chloroethene Chloroethene Chloroform
Field Sample ID Analyte Description	chloromethar m ethane isulfide atrachloride nzene nane trene trene trene trene trene trene trochtene chloromethar sene obutyl keton e chloride trochtene trochtene trochtene orothane	
	TB12 Benzene TB12 Bromodichloromethar TB12 Bromodichloromethane TB12 Carbon tetrachloride TB12 Carbon tetrachloride TB12 Carbon tetrachloride TB12 Carbon tetrachloride TB12 Chlorochane TB12 Chlorochane TB12 Chlorochane TB12 Chlorochane TB12 Chlorochane TB12 Chlorochane TB12 Chloromethane TB12 Methyl isobutyl keton TB12 Methylencehoromethane TB12 Methylencehorochane TB12 Trichlorochene TB12 Trichlorochene TB12 Trichlorochene TB12 Trichlorochene TB13 Tr	1813 1813 1813 1813 1813
ile Field <u>Sample ID</u>	TB12 Benzene TB12 Bromodichloromethar TB12 Bromodichloromethar TB12 C13DCP TB12 Carbon disulfide TB12 Carbon isulfide TB12 Chloroethane TB12 Chloroethane TB12 Chloroethane TB12 Chloroethane TB12 Chloroethane TB12 Chloroethane TB12 Chloroethane TB12 Chloromethane TB12 Chloromethane TB12 Chloroethene TB12 Chloroethene TB12 TB12 TB12 TB12 TB12 TB12 TB13 TB13 TG13-Chloroethene TB13 Trichloroethene TB13 Thi-1-Trichloroethene TB13 Thi-1-Trichloroethane TB13 Thi-1-Trichloroethane TB13 Thi-1-Trichloroethane TB13 Thi-1-Dichloroethane TB13 Thi-1-Thi-1-Thi-1-Thi-1-Thi-	20-APR-94 TB13 20-APR-94 TB13 20-APR-94 TB13 20-APR-94 TB13 20-APR-94 TB13

Results for Trip Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

Lot	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Data Quals		
Flag Codes	KKKKKKKKKK	**************************************
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Analyte Description	Chloromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Styrene T13DCP Tetrachloroethene T oluene Trichloroethene Trichloroethene Trichloroethene Trichloroethene	1,1,1-Trichloroethane 1,1,2,2-Tetachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2-Butanone Acetone Bromodichloromethane Bromodichloromethane Bromodichloromethane C13DCP Carbon disulfide Carbon tetrachloride Chloroethane Sistyrene Ti3DCP Tetrachloroethene Ti3DCP
Field Sample ID Analyte Description	TB13 Chloromethane TB13 cis-1,2-Dichloroethene TB13 Dibromochloromethane TB13 Ethylbenzene TB13 Methyl isobutyl ketone TB13 Methylene chloride TB13 Styrene TB13 Styrene TB13 Tetrachloroethene TB13 Tetrachloroethene TB13 Trichloroethene TB13 Trichloroethene TB13 Trichloroethene TB13 Trichloroethene TB13 Trichloroethene	TB19 1,1,1-Trichloroethane TB19 1,1,2,2-Tetrachloroethane TB19 1,1,2-Trichloroethane TB19 1,1-Dichloroethane TB19 1,2-Dichloroethane TB19 1,2-Dichloroethane TB19 2-Butanone TB19 2-Hexanone TB19 Acetone TB19 Bromodichloromethane TB19 Bromodichloromethane TB19 Carbon disulfide TB19 Carbon tetrachloride TB19 Carbon tetrachloride TB19 Chloroethane TB19 Chloroethane TB19 Chloroethane TB19 Chloroethane TB19 Chloromethane TB19 Chloromethane TB19 Chloromethane TB19 Methylen chloride TB19 Methylen chloride TB19 Methylen chloride TB19 Tetrachloroethene TB19 Tetrachloroethene
le ID	TB13 TB13 TB13 TB13 TB13 TB13 TB13 TB13	
Field Sample ID	TB13 TB13 TB13 TB13 TB13 TB13 TB13 TB13	1819 1819 1819 1819 1819 1819 1819 1819

Results for Trip Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

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Analyte Description	trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1.1.1-Trichloroethane 1.1.2.2-Tetrachloroethane 1.1.2-Trichloroethane 1.1-Dichloroethane 1.1-Dichloroethane 1.1-Dichloroethane 1.2-Dichloroethane 1.2-Dichloroethane 2-Butarone Acetone Bromodichloromethane Bromoform Bromoform Bromoform C13DCP Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane Chloromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylen chloride Slyrene T13DCP Tetrachloroethene Tichloroethene TilabcP Tetrachloroethene	1,1-5-Troundrocutaire 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane
Field Sample ID Analyte Description	TB19 trans-1,2-Dichloroethene TB19 Trichloroethene TB19 Xylenes (total)	ichlorocthane l'Etrachlorocthane dlorocthane dlorocthane dlorocthane dlorocthane dlorocthane one chloromethan chloromethane ethane etrachloride errachloride issulfide etrachloride chloromethan chlorocthene chlorocthene chlorocthene chlorocthene chlorocthane ethane ethane chlorocthene coothene	
e ID		TB21 1,1,1-Trichloroethane TB21 1,1,2-Trichloroethane TB21 1,1,2-Trichloroethane TB21 1,1-Dichloroethane TB21 1,2-Dichloroethane TB21 1,2-Dichloroethane TB21 2-Butanone TB21 2-Butanone TB21 3-Dichloropropane TB21 3-Bomodichloropropane TB21 Acetone TB21 Bromodichloromethan TB21 Bromodichloromethan TB21 Carbon disulfide TB21 Carbon disulfide TB21 Carbon disulfide TB21 Carbon tetrachloride TB21 Carbon tetrachloride TB21 Carbon tetrachloride TB21 Carbon tetrachloride TB21 Carbon tetrachloride TB21 Carbon tetrachloroethene TB21 Chloromethane TB21 Chloromethane TB21 Chloromethane TB21 Chloromethane TB21 Chloromethane TB21 TB21 Chloromethane TB21 Tetrachloroethene TB21 Tetrachloroethene TB21 Trichloroethene TB21 Trichloroethene TB3195 1,1,1-Trichloroethane TB3195 1,1,2-Trichloroethane TB3195	TB3195 TB3195 TB3195
le Field <u>Sample ID</u>	TB19 TB19 TB19	TB21	01-MAR-95 TB3195 01-MAR-95 TB3195 01-MAR-95 TB3195

Page 4

Lot Number	N N N N N	Z Z Z	MNI	N.	E Z	MNI	NN NN	NN N	N N	M N	WNI	N N	INM	Z Z	NN	Z Z	INM	Z Z	INM	X Z	ZZZ	Z	INM	NZ.	ΣZ	N N	N N M
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Analyte Description	1,2-Dichloropropane 2-Butanone 2-Hexanone Acetone Benzene	Bromodichloromethane Bromoform Bromomethane	C13DCP C13DCP Carbon dienfide	Carbon tetrachloride	Chlorobenzene Chloroethane	Chloroethene	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Methyl isobutyl ketone Methylene chloride	Styrene	T13DCP Tetrachloroethene	Toluene	trans-1,2-Dichloroethene Trichloroethene	Xylenes (total)	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	2-Hexanone	Acetone	Benzene	orome	Bromomethane	C13DCP	Carbon disulfide Carbon tetrachloride
Field Sample ID Analyte Description					1B3195 Chlorobenzene TB3195 Chloroethane	TB3195 Chlorocthene		TB3195 cis-1,2-Dichloroethene		TB3195 Methyl isobutyl ketone TB3195 Methylene chloride		TB3195 T13DCP TB3195 Tetrachloroethene		TB3195 trans-1,2-Dichlorocthene TB3195 Trichloroethene	TB3195 Xylenes (total)		TB3295 1,1,2-Trichloroethane			TB3295 1,2-Dichloropropane			Benzene	TB3295 Bromodichloromethane		_	TB3295 Carbon disulfide TB3295 Carbon tetrachloride
le ID	TB3195 TB3195 TB3195 TB3195	Bromodichlorometh Bromoform Bromomethane	TB3195	TB3195			TB3195		TB3195		TB3195		TB3195		•	TB3295	TB3295		TB3295	_ 、	TB3295	TB3295	TB3295 Benzene	TB3295 Bromodichlorome		TB3295	
ole Field Sample ID	01-MAR-95 TB3195 01-MAR-95 TB3195 01-MAR-95 TB3195 01-MAR-95 TB3195 01-MAR-95 TB3195	TB3195 Bromodichlorometh TB3195 Bromonethme	01-MAR-95 TB3195	01-MAR-95 TB3195	1B3195 TB3195	TB3195	01-MAR-95 TB3195	TB3195	01-MAR-95 TB3195	TB3195 TR3195	01-MAR-95 TB3195	TB3195 TB3195	01-MAR-95 TB3195	1B3195 TB3195	TB3195	02-MAR-95 TB3295	02-MAR-95 TB3295	TB3295	02-MAR-95 TB3295	TB3295	02-MAR-95 TB3295	02-MAR-95 TB3295	02-MAR-95 TB3295 Benzene	02-MAR-95 TB3295 Bromodichlorome	TB3295	02-MAR-95 TB3295	TB3295 TB3295

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Analyte Description	Chlorobenzene Chloroethane Chloroethene Chloroform Chloromethane	cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone	Menyjene chlorde Styrene T13DCP Tetrachloroethene Toluene	trans-1,2-Dichloroethene Trichloroethene Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1,1-Dichlorochane 1,1-Dichlorochane 1,1-Dichlorochane 1,2-Dichlorochane 1,2-Dichloropropane 2-Butanone 2-Hexanone Acetone Bromodichloromethane Bromodichloromethane Bromodichloromethane C13DCP Carbon disulfide Carbon tetrachloride Chlorochane Chlorochane Chlorochane Chlorochane	cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride
Field Sample ID Analyte Description		1 153295 cis-1,2-Dichloroethene TB3295 Dibromochloromethane TB3295 Ethylbenzene TB3295 Methyl isobutyl ketone TB3296 Methyl isobutyl ketone		oroeth ethane iloroeth		
le ID	TB3295 TB3295 TB3295 TB3295 TB3295		TB3295 TB3295 TB3295 TB3295	trans-1,2-Dichloroether Trichloroethene Xylenes (total) 1,1,1-Trichloroethane	TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395 TB3395	TB3395 TB3395 TB3395 TB3395 TB3395
le Field Sample ID	TB3295 TB3295 TB3295 TB3295 TB3295	02-MAR-95 1B3295 02-MAR-95 TB3295 02-MAR-95 TB3295 02-MAR-95 TB3295	02-MAR-95 TB3295 02-MAR-95 TB3295 02-MAR-95 TB3295 02-MAR-95 TB3295 02-MAR-95 TB3295	TB3295 trans-1,2-Dichloroethr TB3295 Trichloroethene TB3295 Xylenes (total) TB3395 1,1,1-Trichloroethane TB3395 1,1,2,2-Tetrachloroeth	03-MAR-95 TB3395 03-MAR-95 TB3395	TB3395 TB3395 TB3395 TB3395 TB3395

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Analyte Description	T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Butanone Benzene Benzene Bromodichloromethane Bromodichloromethane Carbon disulfide Carbon disulfide Carbon disulfide Carbon tetrachloride Chloroethane	Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Dichloroethane
Field Sample ID Analyte Description	TB3395 T13DCP TB3395 Tetrachloroethene TB3395 Tolucine TB3395 trans-1,2-Dichloroethene TB3395 Trichloroethene TB3395 Xylenes (total)		TB41795 Tetrachloroethene TB41795 Toluene TB41795 trans-1,2-Dichloroethene TB41795 Trichloroethene TB41795 Xylenes (total) TB41895 1,1,1-Trichloroethane TB41895 1,1,2-Trichloroethane TB41895 1,1,2-Trichloroethane TB41895 1,1-Dichloroethane
de ID		TB41795 TB41795	
ole Field Sample ID	TB3395 TB3395 TB3395 TB3395 TB3395 TB3395	17.APR.95 TB41795 17.APR.95 TB41795	TB41795 TB41795 TB41795 TB41795 TB411795 TB41895 TB41895

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Meas Bool	222222	<u> </u>	222222222222	2222 22222222222
Analyte Description	1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone Acctone	Benzene Bromodichloromethane Bromoomethane C13DCP Carbon disulfide	Carbon terachloride Chlorobenzene Chlorobenzene Chlorocthane Chlorocthane Chloromethane cis-1,2-Dichlorocthene Dibromochloromethane Ethylbenzene Methyl ketone Methyl isobutyl ketone Methylene chloride Siyrene	1 etrachloroethene trans-1,2-Dichloroethene Trichloroethene Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropoane 2-Butanone Acetone Benzene Bromodichloromethane Bromodichloromethane Bromomethane
Field Sample ID Analyte Description	TB41895 1,1-Dichloroethene TB41895 1,2-Dichloroethane TB41895 1,2-Dichloropropane TB41895 2-Butanone TB41895 2-Hexanone TB41895 Acetone TB41895 Acetone	Berizene Bromodichloromethan Bromoform Bromomethane C13DCP Carbon disulfide	1541895 Carbon tetrachloride 17841895 Chlorobenzene 17841895 Chlorocthane 17841895 Chlorocthane 17841895 Chloronchane 17841895 Chloronchane 17841895 Chloromethane 17841895 Chloromethane 17841895 Chloromethane 17841895 Chloromethane 17841895 Methylen chloride 17841895 Styrene 17841895 Styrene 17841895 Tataata	I etrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylcnes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2-Butanone 2-Hexanone Acetone Benzene Bromodichloromethan Bromodichloromethan Bromodichloromethan
le ID		1541895 Benzene 1541895 Bromodichloromethan TB41895 Bromonethane TB41895 Carbon disulfide		1B41895 letrachloroethene TB41895 Toluene TB41895 trans-1,2-Dichloroethe TB41895 Trichloroethene TB41895 Xylenes (total) TB42195 1,1,1-Trichloroethane TB42195 1,1,2,2-Tetrachloroethane TB42195 1,1,2,2-Tetrachloroethane TB42195 1,1-Dichloroethane TB42195 1,1-Dichloroethane TB42195 1,2-Dichloroethane TB42195 1,2-Dichloroethane TB42195 2-Butanone TB42195 Acetone TB42195 Acetone TB42195 Benzene TB42195 Bromodichloromethan TB42195 Bromodichloromethan TB42195 Bromodichloromethan TB42195 Bromodichloromethan
ole Field <u>Sample ID</u>	TB41895 TB41895 TB41895 TB41895 TB41895	18-APR-95 1B41895 Benzene 18-APR-95 TB41895 Bromodichloromethan 18-APR-95 TB41895 Bromonethane 18-APR-95 TB41895 C13DCP 18-APR-95 TB41895 Carbon disulfide	1641895 TB41895 TB41895 TB41895 TB41895 TB41895 TB41895 TB41895 TB41895 TB41895	18-APR-95 1B41895 letrachloroethene 18-APR-95 TB41895 Toluene 18-APR-95 TB41895 trans-1,2-Dichloroethene 18-APR-95 TB41895 Trichloroethene 18-APR-95 TB42195 1,1,1-Trichloroethane 21-APR-95 TB42195 1,1,2,2-Tetrachloroethane 21-APR-95 TB42195 1,1,2,Trichloroethane 21-APR-95 TB42195 1,1,Dichloroethane 21-APR-95 TB42195 1,1-Dichloroethane 21-APR-95 TB42195 1,2-Dichloroethane 21-APR-95 TB42195 1,2-Dichloroethane 21-APR-95 TB42195 1,2-Dichloroethane 21-APR-95 TB42195 1,2-Dichloroethane 21-APR-95 TB42195 2-Butanone 21-APR-95 TB42195 2-Butanone 21-APR-95 TB42195 Acetone 21-APR-95 TB42195 Benzene 21-APR-95 TB42195 Bromodichloromethan 21-APR-95 TB42195 Bromontethane

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Meas Bool	222222222222222222222222222222222222222	22222222222222222222222222222222222222
Analyte Description	C13DCP Carbon disulfide Carbon tetrachloride Chloroberacene Chloroethane Chloroethene Chloroethene Chloromethane Cis-1,2-Dichloroethene Dibromochloromethane Ettylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methylene chloride Styrene Tri3DCP Tri3DCP Tetrachloroethene Trichloroethene Trichloroethene Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2,1-Trichloroethane	1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone Acetone Benzene Bromodichloromethane Bromonechane C13DCP Carbon disulfide Carbon tetrachloride Chloroethane Chloroethene Chloroethene Chloromethane Chloromethane Chloroethene Chloromethane Chloromethane Chloroethene Chloroethene Chloromethane Chloromethane Chloromethane Chloromethane
Field Sample ID Analyte Description	TB42195 C13DCP TB42195 Carbon disulfide TB42195 Carbon letrachloride TB42195 Chlorobenzene TB42195 Chloroethane TB42195 Chloroethene TB42195 Chloroethene TB42195 Chloroethene TB42195 Chloromethane TB42195 Chloromethane TB42195 Chloromethane TB42195 Chloromethane TB42195 Eitylbenzene TB42195 Methyl isobutyl ketone TB42195 Methylene chloride TB42195 Ti3DCP TB42195 Tiohoroethene TB42195 Tichloroethene TB42195 Tichloroethene TB42195 Tichloroethene TB42195 Tichloroethene TB42195 Tichloroethene TB42495 I,1,1-Trichloroethane TB42495 I,1,2-Tetrachloroethane TB42495 I,1,2-Tetrachloroethane TB42495 I,1,2-Tetrachloroethane TB42495 I,1,2-Tichloroethane TB42495 I,1,2-Tichloroethane TB42495 I,1,2-Tichloroethane	
le ID	TB42195 TB42195	11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495 11842495
Field Sample ID	TB42195 TB42195	24-APR-95 TB42495 24-APR-95 TB42495

Results for Trip Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

Lot Number	
Data Quals	
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Unit Meas	790 790 790 790 790 790 790 790 790
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Meas <u>Bool</u>	22222222
2 Analyte Description	Methyl isobutyl ketone Methylene chloride Styrene T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)
Field Sample ID	TB42495 TB42495 TB42495 TB42495 TB42495 TB42495 TB42495 TB42495 TB42495
Sample <u>Date</u>	24-APR-95 24-APR-95 24-APR-95 24-APR-95 24-APR-95 24-APR-95 24-APR-95 24-APR-95
Method/ Matrix	UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W UM05/W
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RESULTS FOR FIELD BLANKS

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

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SAMPLE DATE	14-APR-94 18-APR-94 19-APR-94 20-APR-94 21-APR-94	12-MAY-94 16-MAY-94 17-MAY-94 18-MAY-94	26-MAY-94	27-JUL-94 27-JUL-94	09-AUG-94	01-MAR-95 02-MAR-95 03-MAR-95	17-APR-95	18-APR-95 18-APR-95 21-APR-95 24-APR-95	18-APR-94 19-APR-94 20-APR-94 21-APR-94 21-APR-94 22-APR-94	28-APR-94	22-JUL-94	10-AUG-94 09-AUG-94
METHOD	000000	00 00 00 00 00 00 00 00 00 00 00 00 00	00 2	00 00	0 00	0 00	00	00 00 00 00 00 25	2792 19 2792 20 2792 20 2792 20 2792 21 2792 25	2792 28	7840 22	7840 10 7840 09
FIELD SAMPLE ID	RB04 RB05 RB06 RB07 RB09	RB12 RB13 RB14 RB15	RB17	RB18 RB18	RB20	FB3195 FB3295 FB3395	RB41795	RB41895 RB41895 RB42195 RB42495	RB05 RB06 RB07 RB08 RB09 RB10	RB11	RB18	RB19 RB20
LOT NUMBER	EDJ EDJ EDJ EDJ EDJ	EDM EDM EDM EDM	EDN	EDO EDO	EDP	EDS EDS EDS	EDU	EDV EDV EDV EDV	6F1 6F1 6F1 0F1 6F1 6F1	EFJ	EFK	EFL EFL
CODE	WB WB WB WB	WB WB WB	WB	WB WB	WB	WB WB WB	WB	WB WB WB	WB WB WB WB WB	WB	WB	WB WB

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS	3 UGL . 3 UGL .	3 UGL 3 UGL 3 UGL 3 UGL	3 UGL 3 UGL 3 UGL	3 UGL 3 UGL 3 UGL 3 UGL 3 UGL 3 UGL	12 UGL	3 UGL V	3 UGL	TDA S TDA S TOTOS	A UGL	4 UGL 3 UGL 5 UGL 4 UGL 5 UGL 6 UGL
MEAS BOOL	GN GN GN GN	A U U U	QN QN QN	999999	ΩN	QN	N ON	ON ON ON	ON ON ON ON ON ON ON ON ON ON ON ON ON O	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
ANALYTE	FFF	Thallium Thallium Thallium Thallium	Arsenic Arsenic Arsenic	Antimony Antimony Antimony Antimony Antimony	Antimony	Antimony	Antimony Antimony	Antimony Antimony Antimony	Antimony Antimony Antimony Antimony	Arsenic Lead Selenium Arsenic Lead Selenium Arsenic
SAMPLE DATE	01-MAR-95 TI 02-MAR-95 TI 03-MAR-95 TI	17-APR-95 Thallium 18-APR-95 Thallium 21-APR-95 Thallium 24-APR-95 Thallium	19-APR-94 Arsenic 21-APR-94 Arsenic 21-APR-94 Arsenic	18-APR-94 Antimony 19-APR-94 Antimony 20-APR-94 Antimony 21-APR-94 Antimony 21-APR-94 Antimony	28-APR-94 Antimony	22-JUL-94 Antimony	10-AUG-94 Antimony 09-AUG-94 Antimony	01-MAR-95 Antimony 02-MAR-95 Antimony 03-MAR-95 Antimony	17-APR-95 Antimony 18-APR-95 Antimony 21-APR-95 Antimony 24-APR-95 Antimony	14-APR-94 Arsenic 14-APR-94 Lead 14-APR-94 Selenium 18-APR-94 Arsenic 18-APR-94 Lead 18-APR-94 Selenium 19-APR-94 Arsenic
SAMPLE METHOD DATE										
FIELD SAMPLE SAMPLE SAMPLE METHOD DATE	01-MAR-95 02-MAR-95 03-MAR-95	17-APR-95 18-APR-95 21-APR-95 24-APR-95	19-APR-94 21-APR-94 21-APR-94	18-APR-94 19-APR-94 20-APR-94 21-APR-94 21-APR-94	28-APR-94	22-JUL-94	10-AUG-94 09-AUG-94	01-MAR-95 02-MAR-95 03-MAR-95	17-APR-95 18-APR-95 21-APR-95 24-APR-95	14-APR-94 14-APR-94 14-APR-94 18-APR-94 18-APR-94 19-APR-94
SAMPLE METHOD DATE	2831 01-MAR-95 2831 02-MAR-95 2831 03-MAR-95	2792 17-APR-95 2792 18-APR-95 2792 21-APR-95 2792 24-APR-95	2062 19-APR-94 2062 21-APR-94 2062 21-APR-94	2042 18-APR-94 2042 19-APR-94 2042 21-APR-94 2042 21-APR-94 2042 22-APR-94	2042 28-APR-94	7041 22-JUL-94	7041 10-AUG-94 7041 09-AUG-94	2041 01-MAR-95 2041 02-MAR-95 2041 03-MAR-95	2042 17-APR-95 2042 18-APR-95 2042 21-APR-95 2042 24-APR-95	6010 14.APR-94 6010 14.APR-94 6010 18.APR-94 6010 18.APR-94 6010 18.APR-94 6010 19.APR-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

RS			
DATA QUALIFIERS			
NG ING			
FLAGG	90 9 9		
UNIT	750 750 750 750 750 750 750 750 750 750		
RESULT		- 7 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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MEAS BOOL.	22222222222222222		
ALYTE	enium enic enic enic enic enic enic d d inium enic d d a mium enic d d A mium enic A A A MAB	DMB zenc Wibenzene Bene Wibenzene JAB DMB Senc Wibenzene Albenzene	
ANALYTE	Lead Selenium Arsenic Lead Selenium Arsenic Lead Selenium Arsenic Arsenic Arsenic Arsenic Arsenic Lead Lead Selenium Selenium Selenium Arsenic Lead Selenium Selenium Arsenic Lead Selenium	134DMB Benzene Ethylbenzene Toluene 12DMB 134DMB Benzene Ethylbenzene Toluene 12DMB 134DMB Benzene Ethylbenzene Toluene 12DMB 134DMB Benzene Toluene 12DMB 134DMB Benzene Toluene 12DMB Benzene Ethylbenzene Toluene Toluene Toluene Toluene Toluene Toluene Toluene Toluene Toluene Toluene	
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SAMPLE METHOD DATE	19-APR-94 19-APR-94 20-APR-94 20-APR-94 21-APR-94	14-APR-94 14-APR-94 14-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 12-MAY-94 12-MAY-94 12-MAY-94 16-MAY-94 16-MAY-94 16-MAY-94 16-MAY-94 16-MAY-94 16-MAY-94 17-MAY-94 17-MAY-94 17-MAY-94 17-MAY-94	
SAMPLE <u>DATE</u>	6010 19-APR-94 6010 20-APR-94 6010 20-APR-94 6010 20-APR-94 6010 20-APR-94 6010 21-APR-94 6010 22-APR-94 6010 6010 6010 6010 6010 6010 6010 601	8020 14-APR-94 8020 14-APR-94 8020 14-APR-94 8020 21-APR-94 8020 21-APR-94 8020 21-APR-94 8020 21-APR-94 8020 21-APR-94 8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 17-MAY-94 8020 17-MAY-94 8020 17-MAY-94 8020 17-MAY-94 8020 17-MAY-94	
FIELD SAMPLE SAMPLE ID METHOD DATE	RB06 6010 19-APR-94 RB06 6010 20-APR-94 RB07 6010 20-APR-94 RB07 6010 20-APR-94 RB07 6010 20-APR-94 RB08 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB09 6010 21-APR-94 RB10 6010 22-APR-94 RB10 6	RB04 8020 14-APR-94 RB04 8020 14-APR-94 RB04 8020 14-APR-94 RB09 8020 14-APR-94 RB09 8020 21-APR-94 AB07 8020 12-MAY-94 AB07 8020 12-MAY-94 AB07 8020 12-MAY-94 AB08 8020 12-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB09 8020 17-MAY-94 AB09 8020 <td< td=""><td></td></td<>	
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FIELD SAMPLE SAMPLE ID METHOD DATE	EVH RB06 6010 19-APR-94 EVH RB06 6010 20-APR-94 EVH RB07 6010 20-APR-94 EVH RB07 6010 20-APR-94 EVH RB08 6010 20-APR-94 EVH RB08 6010 21-APR-94 EVH RB08 6010 21-APR-94 EVH RB09 6010 21-APR-94 EVH RB10 6010 22-APR-94 EVH RB10 6010 22-APR-94 EVH RB10 6010 22-APR-94 EVH RB10	RB04 8020 14-APR-94 RB04 8020 14-APR-94 RB04 8020 14-APR-94 RB09 8020 14-APR-94 RB09 8020 21-APR-94 AB07 8020 12-MAY-94 AB07 8020 12-MAY-94 AB07 8020 12-MAY-94 AB08 8020 12-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB08 8020 16-MAY-94 AB09 8020 17-MAY-94 AB09 8020 <td< td=""><td></td></td<>	

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

FLAGGING DATA CODES QUALIFIERS	,					
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RESULT	n' w' se' n' w' se' n' w' se'	- 4 xi xi xi - 4 xi xi xi	4 W N		ммммм	2000
MEAS BOOL.	22222222222222	222222222	ON ON ON	ON ON ON	22222	QN
ANALYTE	12DMB 134DMB Benzene Ethylbenzene Toluene 12DMB 134DMB Benzene Ethylbenzene 12DMB 134DMB Benzene 12DMB 134DMB 134DMB 134DMB 134DMB 134DMB Toluene 12DMB	12DMB 134DMB Benzene Ethylbenzene Toluene 12DMB Benzene Ethylbenzene	- Arsenic Lead Selenium	Lead Lead Lead	Lead Lead Lead Lead Lead	ATIFRZ
SAMPLE DATE ANALYTE	12-MAY-94 12DMB 12-MAY-94 134DMB 12-MAY-94 Benzene 12-MAY-94 Ethylbenzene 12-MAY-94 Toluene 16-MAY-94 12DMB 16-MAY-94 134DMB 16-MAY-94 Ethylbenzene 16-MAY-94 Ethylbenzene 17-MAY-94 12DMB 17-MAY-94 12DMB 17-MAY-94 134DMB 17-MAY-94 134DMB 17-MAY-94 Toluene 17-MAY-94 Toluene	18.MAY-94 12DMB 18.MAY-94 134DMB 18.MAY-94 Benzene 18.MAY-94 Ethylbenzene 18.MAY-94 Toluene 18.MAY-94 134DMB 18.MAY-94 Benzene 18.MAY-94 Ethylbenzene 18.MAY-94 Toluene	28-APR-94 Arsenic 28-APR-94 Lead 28-APR-94 Selenium	17-MAY-94 Lead 18-MAY-94 Lead 18-MAY-94 Lead	12-MAY-94 Lead 12-MAY-94 Lead 16-MAY-94 Lead 16-MAY-94 Lead 17-MAY-94 Lead	22-JUL-94 ATIFRZ
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SAMPLE <u>DATE</u>	12-MAY-94 12-MAY-94 12-MAY-94 12-MAY-94 16-MAY-94 16-MAY-94 16-MAY-94 17-MAY-94 17-MAY-94 17-MAY-94 17-MAY-94	18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94 18-MAY-94	28-APR-94 28-APR-94 28-APR-94	17-MAY-94 18-MAY-94 18-MAY-94	12-MAY-94 12-MAY-94 16-MAY-94 16-MAY-94 17-MAY-94	22-JUL-94
SAMPLE METHOD DATE	8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 12-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 16-MAY-94 8020 17-MAY-94 8020 17-MAY-94 8020 17-MAY-94 8020 17-MAY-94	8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94 8020 18-MAY-94	6010 28-APR-94 6010 28-APR-94 6010 28-APR-94	6010 17-MAY-94 6010 18-MAY-94 6010 18-MAY-94	6010 12-MAY-94 6010 12-MAY-94 6010 16-MAY-94 6010 16-MAY-94 6010 17-MAY-94	8015 22-JUL-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	101 101 101 101 101	150 150 150 150 150 150 150 150 150	10n 10n 10n 10n 10n 10n 10n 10n 10n	700 700 700 700	750, 761, 761, 761, 761, 761, 761,
RESULT	4 W N	<u>ቁ ю ю ቁ</u> ·ю ю	4 W N 4 W N 4 W N	дшидшидши	4 W W	4 C C C C C C C C C C C C C C C C C C C
MEAS BOOL	ON ON O	9 9 9 9 9	22222222	22222222	N N N	5555555
(O)						
ANALYTE	Arsenic Lead Selenium	Arsenic Lead Selenium Arsenic Lead Selenium	Arsenic Lead Selenium Arsenic Lead Selenium Arsenic Lead Selenium	Arsenic Lead Selenium Arsenic Lead Selenium Arsenic Lead Selenium	Arsenic Lead Selenium	Mercury Mercury Mercury Mercury Mercury Mercury
SAMPLE <u>DATE</u>	22-JUL-94 22-JUL-94 22-JUL-94	10-AUG-94 10-AUG-94 10-AUG-94 09-AUG-94 09-AUG-94	01-MAR-95 01-MAR-95 01-MAR-95 02-MAR-95 02-MAR-95 03-MAR-95 03-MAR-95	17-APR-95 17-APR-95 17-APR-95 18-APR-95 18-APR-95 21-APR-95 21-APR-95	24-APR-95 24-APR-95 24-APR-95	18-APR-94 19-APR-94 20-APR-94 21-APR-94 22-APR-94 28-APR-94
METHOD	6010 6010 6010	6010 6010 6010 6010 6010	6010 6010 6010 6010 6010 6010 6010 6010	6010 6010 6010 6010 6010 6010 6010	6010 6010 6010	SB07 SB07 SB07 SB07 SB07 SB07
FIELD SAMPLE ID	RB18 RB18 RB18	RB19 RB19 RB20 RB20 RB20	FB3195 FB3195 FB3195 FB3295 FB3295 FB3395 FB3395	RB41795 RB41795 RB41795 RB41895 RB41895 RB41895 RB42195 RB42195	RB42495 RB42495 RB42495	RB05 RB06 RB07 RB08 RB10 RB11
LOT NUMBER	EWM EWM EWM	EWN EWN EWN EWN EWN	EWP EWP EWP EWP EWP EWP	EWQ EWQ EWQ EWQ EWQ EWQ EWQ	EWR EWR EWR	
INST	WB WB WB	WB WB WB WB	WB WB WB WB WB WB WB WB	WB WB WB WB WB WB WB	WB WB WB	WB WB WB WB WB

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

INST L	LOT NUMBER	FIELD SAMPLE ID	METHOD	SAMPLE <u>DATE</u>	ANALYTE	MEAS BOOL.	RESULT	UNIT FLAGG	FLAGGING DATA CODES QUALIFIERS
WB I.	<u> </u>	RB18	SB07	22-JUL-94	Mercury	LT	.74	UGL V	
WB I	55	RB19 RB20	SB07 SB07	10-AUG-94 09-AUG-94	Mercury Mercury	נד	.74 .74	ngr ngr	
W W B I I I I I I I I I I I I I I I I I		RB04 RB04 RB04 RB04 RB04 RB04 RB04 RB04	8080 8080 8080 8080 8080 8080 8080 808	14-APR-94 14-APR-94	2,2-bis(p-Chlorophenyl)-1,1,1-trichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-dichlorocthane Aldrin alpha-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride blied-Benzene hexac	222222222222222222222222222222222222222		1500 1500 1500 1500 1500 1500 1500 1500	
W W W W W W W W W W W W W W W W W W W		RB05 RB05 RB05 RB05 RB05 RB05 RB05 RB05	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21	18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride Dieldrin Endosulfan I		.0316 .0848 .0946 .0638 .0434 .0109 .0109 .0321	150 150 150 150 150 150 150 150 150 150	

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL UGL UGL UGL UGL UGL UGL UGL	UGL T UGL T UGL T UGL T
RESULT	.012 .02372 .06977 .06977 .06977 .06977 .0720 .0730 .0	<u> </u>
MEAS BOOL,	5 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 0 0 0 0 0 0 0
ANALYTE	Endosulfan II Endosulfan sulfate Endosulfan sulfate Endosulfan sulfate Endrin ENDRNK gannma-Chlordane Heptachlor epoxide Lindane Methoxychlor PCB 1221 PCB 1221 PCB 1222 PCB 1232 PCB 1242 PCB 1242 PCB 1242 PCB 1254 PCB 1254 PCB 1260 Toxaphene 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane 2,2-bis(p-Chlorophenyl)-1,1-1-dichlorocthane Dieldrin alpha-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride beta-Benzene hexachloride Bendsulfan II Endosulfan	PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260
SAMPLE DATE	18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 19-APR-94	19-APR-94 19-APR-94 19-APR-94 19-APR-94 19-APR-94
METHOD		UH21 UH21 UH21 UH21
FIELD SR SAMPLE ID	RB05 RB05 RB05 RB05 RB05 RB05 RB05 RB05	RB06 RB06 RB06 RB06 RB06
INST LOT CODE NUMBER		WB ILQ WB ILQ WB ILQ WB ILQ

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

MEAS UNIT FLAGGING DATA BOOL. RESULT MEAS CODES QUALIFIERS	ND 5 UGL T	ND UGL ND UGL ND UGL ND UGL ND UGL ND UGL ND UGL ND UGL ND UGL ND UGL
ANALYTE	Toxaphene 2,2-bis(p-Chlorophenyl)-1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Endosulfan I Peduchlor Heptachlor Heptachlor Pen 1016 PCB 1221 PCB 121 PCB 1222 PCB 1232 PCB 1248 PCB 1248 PCB 1254 PCB 12560 Toxaphene	2.2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Berzene hexachloride alpha-Chlordane beta-Berzene hexachloride delta-Berzene hexachloride beta-Berzene hexachloride
SAMPLE <u>METHOD</u> <u>DATE</u>	19-APR-94 10H21 20-APR-94	8080 21-APR-94 8080 21-APR-94 8080 21-APR-94 8080 21-APR-94 8080 21-APR-94 8080 21-APR-94 8080 21-APR-94 8080 21-APR-94
FIELD SAMPLE ID ME	RB06 RB07 RB07 RB07 RB07 RB07 RB07 RB07 RB07	RB09 80 RB09 80 RB09 80 RB09 80 RB09 80 RB09 80 RB09 80 RB09 80
INST LOT CODE NUMBER	WB 11.0 WB 11.	WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS	.05 UGL .05 UGL .05 UGL .05 UGL .2 UGL .2 UGL .1 UGL .1 UGL .1 UGL .2 UGL	.0316 UGL .0848 UGL .0848 UGL .0638 UGL .0434 UGL .0202 UGL .0488 UGL .0321 UGL .0321 UGL .045 UGL .045 UGL .045 UGL .045 UGL .045 UGL .045 UGL .045 UGL .046 UGL .047 UGL .048 UGL .049 UGL .049 UGL .049 UGL .041 T T UGL T UGL T UG
MEAS BOOL.	2222222222222222	555555555555555555555555555555555555555
ANALYTE	gamma-Chlordane Heptachlor Heptachlor epoxide Lindane Methoxychlor PCB 1211 PCB 1221 PCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1254 PCB 1254 PCB 1256 Toxaphene	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride beta-Benzene hexachloride delta-Benzene hexachloride biedran Endosulfan II In Endosulfan II Endosulf
SAMPLE <u>DATE</u>	21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94 21-APR-94	21-APR-94 21-APR-94
METHOD	0808 0808 0808 0808 0808 0808 0808 080	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21
FIELD SAMPLE ID	RB09 RB09 RB09 RB09 RB09 RB09 RB09 RB09	RB08 RB08 RB08 RB08 RB08 RB08 RB08 RB08
INST LOT CODE NUMBER	WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR WB ILR	WWB 1LS WWB 1LS

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL VGL VGL VGL VGL VGL VGL VGL VGL VGL V	UGI. UGI. UGI. UGI. UGI. UGI. UGI. UGI.
NESULT M	0638 U 0.0434 U 0.0202 U 0.0202 U 0.0488 U 0.0321 U 0.0321 U 0.0321 U 0.0372 U 0.0282 U 0.0593 U 0.0459 U 0.042	.0316 .0848 .0948 .00538 .00538 .00532 .0109 .012 .012 .012 .012 .01372 .01372 .01372 .01372 .01372 .014 .0057
MEAS BOOL	999999922222222222222	***************************************
		thane thene
ANALYTE	Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride Dieldrin Endosulfan II Endosulfan II Endosulfan sulfate Endrin Endrin Endrin Endrin Heptachlor Heptachlor Heptachlor Heptachlor PCB 1221 PCB 1221 PCB 1221 PCB 1242 PCB 1248 PCB 1248 PCB 1248 PCB 1254 PCB 1254 PCB 1254 PCB 1256 PCB 1256	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride delta-Benzene hexachloride bieldrin Endosulfan I Endosulfan I Endosulfan I Endosulfan Suffate Endrin Endrin Endrin Endrin Heptachlor Heptachlor Heptachlor Heptachlor Heptachlor Lindane
SAMPLE <u>DATE</u> ANALYTE	22-APR-94 Aldrin 22-APR-94 alpha-Benzene hexachloride 22-APR-94 alpha-Chlordane 22-APR-94 beta-Benzene hexachloride 22-APR-94 delta-Benzene hexachloride 22-APR-94 Endosulfan I 22-APR-94 Endosulfan II 22-APR-94 Endosulfan II 22-APR-94 Endrin 22-APR-94 Heptachlor 22-APR-94 Heptachlor 22-APR-94 Heptachlor 22-APR-94 PCB 1221 22-APR-94 PCB 1221 22-APR-94 PCB 1232 22-APR-94 PCB 1242 22-APR-94 PCB 1242 22-APR-94 PCB 1242 22-APR-94 PCB 1242 22-APR-94 PCB 1248 22-APR-94 PCB 1248 22-APR-94	28-APR-94 2.2-bis(p-Chlorophenyl)-1,1,1-trichlor 28-APR-94 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroe 28-APR-94 2.2-bis(p-Chlorophenyl)-1,1-dichloroe 28-APR-94 alpha-Benzene hexachloride 28-APR-94 alpha-Chlordane 28-APR-94 delta-Benzene hexachloride 28-APR-94 delta-Benzene hexachloride 28-APR-94 Endosulfan II 28-APR-94 Endosulfan II 28-APR-94 Endosulfan ii 28-APR-94 Endosulfan Sulfate 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Endrin 28-APR-94 Heptachlor epoxide 28-APR-94 Heptachlor poxide 28-APR-94 Lindane
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FIELD SAMPLE SAMPLE ID METHOD DATE	22-APR-94 22-APR-94	28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94
SAMPLE METHOD DATE	UH21 22-APR-94 UH21 22-APR-94	UH21 28-APR-94 UH21 28-APR-94

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL T UGG T UGG T		0 707 A 707
RESULT	267	0.000000000000000000000000000000000000	.0109
MEAS BOOL	7	88888888888888888888888888888888888888	i i
ANALYTE	Methoxychlor PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260 Toxaphene	2,2-bis(p-Chlorophenyl)-1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 3,2-bis(p-Chlorophenyl)-1,1-dichloroethane Aldrin alpha-Benzene hexachloride beta-Benzene hexachloride CLDAN delta-Benzene hexachloride Dieldrin Endosulfan I End	delta-Benzene hexachloride
SAMPLE <u>DATE</u>	28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94 28-APR-94	18-MAY-94 18-MAY-94	22-JUL-94
METHOD	UH21 UH21 UH21 UH21 UH21 UH21 UH21	8080 8080 8080 8080 8080 8080 8080 808	UH21
LOT FIELD NUMBER SAMPLE ID	RB11 RB11 RB11 RB11 RB11 RB11 RB11	RB16 RB16 RB16 RB16 RB16 RB16 RB16 RB16	RB18
INST LOT	WB ILT WB ILT WB ILT WB ILT WB ILT WB ILT WB ILT WB ILT WB ILT	WB ILU WB IIU WB ILU WB IIU WB	WB ILV

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

DATA QUALIFIERS		
FLAGGING DATA CODES QUAL		
UNIT F	001 N 100	100 100 100 100 100 100 100 100 100 100
RESULT	.0321 .00856 .012 .012 .027 .0282 .045 .0631 .0631 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .	.0316 .0848 .0848 .0946 .0638 .0434 .0109 .0488 .0372 .0372 .0697 .0687 .0687 .0687 .0687 .0687 .0687 .0687 .0687 .0687 .0687
MEAS BOOL.	99999992222222222	99992222222222222222
		2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride beta-Benzene hexachloride beta-Chlordane Endosulfan II Endosu
ANALYTE	Dieldrin Endosulfan I Endosulfan II Endosulfan II Endosulfan III Endosulfan sulfate Endrin Endrin ENDRNK garnma-Chlordane Heptachlor Heptachlor Heptachlor Heptachlor PCB 1016 PCB 1221 PCB 1221 PCB 1232 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1254 PCB 1254 PCB 1254	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethan 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane Aldrin alpha-Benzene hexachloride alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride Dieldrin Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan Endosulfan II Endosulfan Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan Sendrin Endrin Endrin Endrin Endrin Endrin Endosulfan Sendrin Endrin Endosulfan Endosulfan Endrin Endosulfan Endosulf
SAMPLE <u>DATE</u>	22-IUL-94 22-IUL-94	09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94
METHOD	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21
FIELD SAMPLE ID	RB18 RB18 RB18 RB18 RB18 RB18 RB18 RB18	RB20 RB20 RB20 RB20 RB20 RB20 RB20 RB20
LOT NUMBER		
LOT		

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL T UGL T UGL T UGL T	NGT	700 100 100 100 100 100	nar	Ton Ton	790 100 100	790 790 790 790	UGL R R CUGL R R R CUGL R R R CUGL R R R CUGL R R R CUGL R CUGL R R CUGL R CUGL R CUGL R CUGL R CUGL R CUGL R R CUGL R CUG
RESULT		8.17	8.17 8.17 8.17 8.17 8.17 8.17	8.17	8.17	8.17 8.17 8.17	8.17 8.17 8.17 8.17	**********
MEAS <u>BOOL</u>	<u>Q</u> Q Q Q	LT	מממממ	LT	LT LT	מממ	בבבב	22222222222222222
ANALYTE	PCB 1248 PCB 1254 PCB 1260 Toxaphene	Cyanide (as free Cyanide)	Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide)	Cyanide (as free Cyanide)	Cyanide (as free Cyanide) Cyanide (as free Cyanide)	Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide)	Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide) Cyanide (as free Cyanide)	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2,2-Dichloropropane 2-Butanone 2-Hexanone Acetone Benzene Bromodichloromethane 3romodichloromethane
		Cya	Cyani Cyani Cyani Cyani Cyani	Cyanic	Cyanide Cyanide	Cyanide (Cyanide (Cyanide (Cyanide (a Cyanide (a Cyanide (a Cyanide (a	1,1,1-Trichloroe 1,1,2-Tetrachlo 1,1,2-Trichloroetha 1,1-Dichloroetha 1,1-Dichloroetha 1,2-Dichloroetha 1,2-Dichloropro 2-Butanone 2-Butanone 2-Hexanone Acetone Acetone Benzene Bromodichlorom Bromodichlorom Bromonethane C13DCP
SAMPLE DATE	09-AUG-94 P 09-AUG-94 P 09-AUG-94 T	18-APR-94 Cya	19-APR-94 Cyani 20-APR-94 Cyani 21-APR-94 Cyani 21-APR-94 Cyani 22-APR-94 Cyani 28-APR-94 Cyani	27-JUL-94 Cyanic	10-AUG-94 Cyanide 09-AUG-94 Cyanide	01-MAR-95 Cyanide (02-MAR-95 Cyanide (03-MAR-95 Cyanide (17-APR-95 Cyanide (c 18-APR-95 Cyanide (c 21-APR-95 Cyanide (c 24-APR-95 Cyanide (c	18-APR-94 1,1,1-Trid 18-APR-94 1,1,2-Trid 18-APR-94 1,1,2-Trid 18-APR-94 1,1-Dichli 18-APR-94 1,1-Dichli 18-APR-94 1,2-Dichli 18-APR-94 2-Butano 18-APR-94 2-Hexano 18-APR-94 2-Hexano 18-APR-94 Acetone 18-APR-94 Benzene 18-APR-94 Bromodic 18-APR-94 Bromodic 18-APR-94 Bromodic 18-APR-94 Bromodic
SAMPLE METHOD DATE								
FIELD SAMPLE ID METHOD	09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94	. 18-APR-94	19-APR-94 20-APR-94 21-APR-94 21-APR-94 22-APR-94	27-JUL-94	10-AUG-94 09-AUG-94	01-MAR-95 02-MAR-95 03-MAR-95	17-APR-95 18-APR-95 21-APR-95 24-APR-95	18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94
EID METHOD	UH21 09-AUG-94 UH21 09-AUG-94 UH21 09-AUG-94 UH21 09-AUG-94	TY03. 18-APR-94	TY03 19-APR-94 TY03 20-APR-94 TY03 21-APR-94 TY03 21-APR-94 TY03 22-APR-94 TY03 22-APR-94	TY03 27-JUL-94	TY03 10-AUG-94 TY03 09-AUG-94	TY03 01-MAR-95 TY03 02-MAR-95 TY03 03-MAR-95	TY03 17-APR-95 TY03 18-APR-95 TY03 21-APR-95 TY03 24-APR-95	UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94 UM05 18-APR-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

T FLAGGING DATA <u>SCODES</u> <u>QUALIFIERS</u>		× ×	. L	× ×		r		~ ~	: X	LR	L R	Z 1	r ×	~ . ~ .	ر <i>د</i> ه ۲	L R	Z .	X 10	7 X	L R		٠ ٦ - ء «	∡ ≈	ت ت * ×	נ א	ت م	د د	٦ - × د	٦ -	ء د ۳	<u>د</u> د	. e	를 다. 보고	IL R	<u>ا</u> ا	ت *
UNIT	nor nor	3 5	der Cer		ndL	NGF	ner	ביים ביים ביים	ng T	NGL	NGL	ngr	ngr	ng Ng	Ton Not	ner	ngr 	בל ה	nor nor	NGF	ngr ngr	3 5		nor	nor	מפר מפר		5 5	3 5	בי בי בי	ם ב		ndi	NGL	ig:	DO OC
RESULT	พพพร	2 2	v į		, v	\$	10	v, v	· •	•	ν	S	Y)	vo v	n v o	8	so :	^ ¥	, v n	10	01	12	n **	, v	10	SO :	vo v	^ *	٠ <u>د</u>	2 5	2 ~	. 5	<u>,</u> ~	8	'n	2
MEAS BOOL	222	Q Q	Q S	2 2	2	ND	QN	<u> </u>	2 2	QN	QN	Q.	Q.	S S	2 2	QN ON	9	2 5	2 2	QN	ΩN	ć,	g g	S	QN	QN	2	2 5	SS	S S	Ş	S	Q N	QN	2	Q
ANALYTE	Carbon disulfide Carbon tetrachloride Chlorobenzene	Chloroethane Chloroethene	Chloroform	Chloromethane	Dibromochloromethane	Ethylbenzene	Methyl isobutyl ketone	Methylene chloride	TI3DCP	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Xylenes (total)	1,1,1-1ncmoreculane 1,1,2,2-Tefrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1, 1-Dichloroethene	1,2-Dichloropropane	2-Butanone	2-Hexanone	Acetone	Detizene Bromodichloromethane	Bromoform	Bromomethane	CI3DCP	Carbon disulfide	Carbon tetrachioride	Chlorodensene	Chloroethene	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochloromethane	Ethylbenzene	Methyl isobutyl ketone
SAMPLE <u>DATE</u>	Carbon disulfic Carbon tetrach Chlorobenzene		_	18-APR-94 Chloromethane				18-APR-94 Methylene chloride			_			18-APR-94 Xylenes (total)				19-APR-94 1,1-Dichloroethene		•			19-ATR-94 Denzene 19-APR-94 Bromodichloromethane			_		19-APR-94 Carbon tetrachioride								19-APR-94 Methyl isobutyl ketone
щ	18-APR-94 Carbon disulficients of the control of th	18-APR-94 18-APR-94	18-APR-94		18-APR-94	18-APR-94	18-APR-94		18-APR-94	18-APR-94	18-APR-94	18-APR-94	18-APR-94		19-APR-94	19-APR-94	19-APR-94		19-APR-94	19-APR-94	19-APR-94	19-APR-94		19-APR-94	19-APR-94	19-APR-94	19-APR-94		19-APR-94	19-AFR-94	19-APR-94	19-APR-94	19-APR-94	19-APR-94	19-APR-94	_
SAMPLE <u>DATE</u>	UM05 18-APR-94 Carbon disulficulary UM05 18-APR-94 Chlorobenzene	UM05 18-APR-94 UM05 18-APR-94	UM05 18-APR-94	18-APR-94	UM05 18-APR-94	UM05 18-APR-94	UM05 18-APR-94	18-APR-94	UM05 18-APR-94	UM05 18-APR-94	UM05 18-APR-94	UM05 18-APR-94	UM05 18-APR-94	UM05 18-APR-94	19-APR-94	UM05 19-APR-94	UM05 19-APR-94	19-APR-94	UM05 19-APR-94	UM05 19-APR-94	UM05 19-APR-94	UM05 19-APR-94	19-AJ'R-94	UM05 19-APR-94	19-APR-94	11M05 19-AFR-94	11M05 19-APR-94	11M05 19-APR-94	UM05 19-APR-94	UM05 19-APR-94	UM05 19-APR-94.	19-APR-94				
SAMPLE <u>METHOD</u> <u>DATE</u>	RB05 UM05 18-APR-94 Carbon disulfine RB05 UM05 18-APR-94 Carbon tetrach RB05 UM05 18-APR-94 Chlorobenzene	RB05 UM05 18-APR-94 OR05 18-APR-94 OR05 18-APR-94	RB05 UM05 18-APR-94	UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	RB05 UM05 18-APR-94	UM05 19-AFR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	UMU5 19-ALIK-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	KB06 UM05 19-APR-94	KB06 UM05 19-AFR-94	11M05 19-AFR-94	PERCE COMO 0000 DECEMBER 19.4 P. Mar. 19.4 P	0.000 COMP. 10.4 P. 19	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	RB06 UM05 19-APR-94	UM05 19-APR-94

MEAS UNIT FLAGGING DATA BOOL RESULT MEAS CODES QUALIFIERS	****	ND 5 UGL R ND 5 UGL R ND 5 UGL R	. v. v. v	n v n vn	2 2 0 1	ND 10 UGL R ND 10 UGL R ND 5 UGL R ND 5 UGL R	2 0 2 2	ND 5 UGL R ND 5 UGL R ND 10 UGL R ND 10 UGL R ND 5 UGL R ND 10 UGL R	5 2 2 2 5 2 2	
ANALYTE	Methylene chloride Styrene T13DCP Tetrachloroethene	trans-1,2-Dichloroethene Trichloroethene	Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1,1,2-Trichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthene	1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone	Actione Actione Berzene Bromodichloromethane	Bromoform Bromomethane C13DCP Carbon disulfide	Carbon tetrachloride Chlorobenzene Chlorocthane Chloroform Chlorom	cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Styrene	T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Xylenes (total) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane
SAMPLE DATE	19-APR-94 19-APR-94 19-APR-94 19-APR-94	19-APR-94 19-APR-94	19-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94 20-APR-94	20-AFR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 18-APR-94 18-APR-94
METHOD	UM05 UM05 UM05	UM0S UM0S	UM05 UM05 UM05	UM05 UM05 UM05	UM05 UM05 UM05	UM05 UM05 UM05	UM05 UM05 UM05 UM05	UM05 UM05 UM05 UM05 UM05	UM05 UM05 UM05 UM05 UM05	UM05 UM05 UM05 UM05 UM05 UM05
FIELD ER SAMPLE ID	RB06 RB06 RB06 RB06	RB06	RB06 RB07 RB07	RB07 RB07 RB07	RB07 RB07 RB07 RB07	RB07 RB07	RB07 RB07 RB07 RB07 RB07	RB07 RB07 RB07 RB07 RB07	RB07 RB07 RB07 RB07 RB07	RB07 RB07 RB07 RB07 RB07 TB11 TB11
INST LOT CODE NUMBER	ING G ING ING ING	NG	S C C	O CO CO		NG G			ING ING ING ING	

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL R UGL R UGL R UGL R UGL R UGL R	UGL R R R R R R R R R R R R R R R R R R R	
RESULT	~ ~ ~ ~ 0 0 <u>1</u>	. พ. อีพพ. พ. อีอีพ อีพพ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ.	
MEAS BOOL.	22222	222222222222222222222222222222222222222	222222222
		·	
ANALYTE	1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichlorocthane 1,2-Dichloropropane 2-Butanone 2-Hexanone	Bromodichloromethane Bromodichloromethane CalaDCP Carbon disulfide Carbon tetrachloride Carbon tetrachloride Chloroberzene Chloroethane Chloroethane Chloroethene Chloroethene Chloroethene Chloroethene Chloroethene Chloroethene Chloroethene Chloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methyl isobutyl ketone Methylene chloride Styrene TiabCP Tetrachloroethene Toluene Tans-1,2-Dichloroethene Tychenes (total) 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane	1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone Actone Benzene Bromodichloromethane
SAMPLE <u>DATE</u> ANALYTE	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94 Carbon disulfide 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Chlorochtane 18-APR-94 Methylencchlorochtane 18-APR-94 I-13DCP I-	** ***
ध्	1,1-Dichloroet 1,1-Dichloroet 1,2-Dichloroet 1,2-Dichlorop 2-Butanone 2-Hexanone		22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94
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SAMPLE METHOD DATE	11. Dichloroet 11. Dichloroet 12. Dichloroet 13. Dichloroet 14. Dichloroet 15. Dichloroet 16. Dichloroet 17. Dichloroet 18. APR-94 1, Dichloroet 18. APR-94 1, Dichloroet 18. APR-94 2- Butanone 18. APR-94 2- Hexanone 18. APR-94 2- Hexanone	UMOS 18-APR-94 UMOS 22-JUL-94 UMOS 22-JUL-94 UMOS 22-JUL-94	ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94 ABII UM05 22-JUL-94

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ANALYTE	Bromomethane C13DCP · Carbon disulfide	Carbon tetrachloride Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromochioromethane Ethylbenzene	Methyl isobutyl ketone	Methylene chloride	Styrene	113DCF Tetrachlomethene	Toluene	trans-1,2-Dichloroethene	Inchloroethene Xvlenes (fotal)	1,1,1-Trichlorocthane	1,1,2,2-Tetrachloroethane	1,1,2-1 richloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	z-isutanone 2-Hexanone	Acetone	Benzene	Bromoform Bromoform	Bromomethane	CI3DCP	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dibromocnioromethane
SAMPLE DATE ANALYTE	Bromomethan C13DCP Carbon disulfi	Carbon tetrach Chlorobenzene	22-JUL-94 Chloroethane				22-JUL-94 Dibromochioromethane				22-III -94 Tetrachloroethene			22-JUL-94 Inchloroethene	•		22-JUL-94 i,1,2-Irichloroethane			22-JUL-94 1,2-Dichloropropane				22-JUL-94 Bromoform			Carbon disulfic	Carbon tetrach		22-JUL-94 Chloroethane	•			22-JUL-74 Dioromocnioromethane
щ	22-JUL-94 Bromomethan 22-JUL-94 C13DCP 22-JUL-94 Carbon disulfi	22-JUL-94 Carbon tetrach 22-JUL-94 Chlorobenzene		22-JUL-94	22-JUL-94		22-JUL-94	22-JUL-94	22-JUL-94		22-IUI-94	22-JUL-94	22-JUL-94		22-JUL-94	22-JUL-94		22-JUL-94	22-JUL-94		22-JUL-94 22-JUL-94	22-JUL-94	22-JUL-94		22-JUL-94	22-JUL-94	22-JUL-94 Carbon disulfic	22-JUL-94 Carbon tetrachi	22-JUL-94		22-JUL-94 22-JUL-94	22-JUL-94		42-70F-74
SAMPLE DATE	UM05 22-JUL-94 Bromomethan UM05 22-JUL-94 C13DCP UM05 22-JUL-94 Carbon disulfu	UM05 22-JUL-94 Carbon tetrach UM05 22-JUL-94 Chlorobenzene	22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	11M05 22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	UM05 22-101-94	UM05 22-JUL-94	22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	11M05 22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94 Carbon disulfic	UM05 22-JUL-94 Carbon tetrach	UM05 22-JUL-94	22-JUL-94	UM05 22-JUL-94	UM05 22-JUL-94	22-JUL-94	OMO 22-301-94
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SAMPLE ANALYTE	zene sobuty ne chlc roeth roeth bethen (total)	09-AUG-94 1,1,1-Trichloroethane 09-AUG-94 1,1,2.7-Tetrachloroethane 09-AUG-94 1,1.2.1-Trichloroethane 09-AUG-94 1,1-Dichloroethane 09-AUG-94 1,2-Dichloroethane 09-AUG-94 1,2-Dichloroethane 09-AUG-94 2-Butanone 09-AUG-94 2-Hexanone 09-AUG-94 2-Hexanone 09-AUG-94 Acetone 09-AUG-94 Bromodichloromethane 09-AUG-94 Carbon disulfide 09-AUG-94 Carbon tetrachloride 09-AUG-94 Carbon tetrachloride 09-AUG-94 Carbon tetrachloride 09-AUG-94 Chloroethane 09-AUG-94 Chloroethane 09-AUG-94 Chloroethane 09-AUG-94 Chloroethane 09-AUG-94 Chloromethane 09-AUG-94 Chloromethane 09-AUG-94 Chloromethane 09-AUG-94 Chloromethane 09-AUG-94 Chloropence 09-AUG-94 Chloropence 09-AUG-94 Tetrachloroethene<
3	Ethylbenzene Methyl isobuty Methylene chlo Styrene Ti3DCP Tetrachloroeth Toluene trans-1,2-Dichl Trichloroethen Xylenes (total)	
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SAMPLE <u>DATE</u>	01-MAR-95 1,1,1-Trichloroethane 01-MAR-95 1,1,2,2-Tetrachloroethane 01-MAR-95 1,1,2-Trichloroethane 01-MAR-95 1,1-Dichloroethane 01-MAR-95 1,1-Dichloroethane 01-MAR-95 1,2-Dichloroethane	1,2 Dichloropi 1,2 Dichloropi 2-Butanone 2-Hexanone Acetone	01-MAR-95 Benzene 01-MAR-95 Bromodichloromethane 01-MAR-95 Bromodichloromethane 01-MAR-95 Bromomethane 01-MAR-95 C13DCP 01-MAR-95 Carbon disulfide	01-MAR-95 Carbon tetrachloride 01-MAR-95 Chlorobenzene 01-MAR-95 Chloroethane 01-MAR-95 Chloroethene 01-MAR-95 Chloromethane 01-MAR-95 Chloromethane 01-MAR-95 Chloromethane 01-MAR-95 Chloromethane 01-MAR-95 Dibromochloroethene 01-MAR-95 Ethylbenzene 01-MAR-95 Ethylbenzene 01-MAR-95 Methyl isobutyl ketone 01-MAR-95 Methylene chloride 01-MAR-95 TriaDCP 01-MAR-95 Treachloroethene 01-MAR-95 Troluene 01-MAR-95 Troluene 01-MAR-95 Troluene	01-MAR-95 Xylenes (total) 02-MAR-95 1,1,1-Trichloroethane 02-MAR-95 1,1,2-Trichloroethane 02-MAR-95 1,1,2-Trichloroethane 02-MAR-95 1,1,2-Trichloroethane 02-MAR-95 1,1-Dichloroethane 02-MAR-95 1,2-Dichloroethane 02-MAR-95 1,2-Dichloroethane 02-MAR-95 2-Butanone 02-MAR-95 2-Hexanone 02-MAR-95 Acctone 02-MAR-95 Benzene
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	omethane e	1	ide	lloride	3			<u>.</u>	roethene	Alleman	yl ketone	oride			hene	locothone	norocurane		oethane	chloroethane	roethane	thane	thene	nopane				, and the man	OIIICUIALIC	e.		ide	hloride	5			Je
	dichloromethane sform methane	CP	n disulfide	n teu acilioriue Senzana	ethane	ethene	oform	omethane	-Dichloroethene	enzene	l isobutyl ketone	lene chloride	e ·	:	hloroethene	ne 2.Dichloroothene	oroethene	es (total)	Trichloroethane	2-Tetrachloroethane	Trichloroethane	ichloroethane	ichloroethene	ichloropropane	anone	anone	ne	10140	oform	omethane	CP	n disulfide	n tetrachloride	obenzene	oethane	oform	omethane
ANALYTE	Bromodichloromethane Bromoform Bromomethane	Cl3DCP	Carbon disulfide	Caron ten acinorne	Chloroethane	Chloroethene	Chloroform	Chloromethane	cis-1,2-Dichloroethene Dibromochloromethene	Ethylbenzene	Methyl isobutyl ketone	Methylene chloride	Styrene	Ti3DCP	Tetrachloroethene	I oluene trans. 1 2.Dichloroethene	Trichloroethene	Xylenes (total)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	I, I-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	2-Butanone	2-Hexanone	Acetone	10140	Bromoform	Bromomethane	C13DCP	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane
			Carbon disulfic	Chlorohenzene	-												•		•	•					•	•		Denzene	Bromoform	_	_					_	
SAMPLE <u>Date</u> <u>analyte</u>	02-MAR-95 Bromodichloromethane 02-MAR-95 Bromoform 02-MAR-95 Bromomethane		02-MAR-95 Carbon disulfide	Chlorohenzene					02-MAR-95 cis-1,2-Dichloroethene							02-MAR-95 Loluene	•		•	•			03-MAR-95 1,1-Dichloroethene		•	•		10140	Bromoform	_	_		-	٠,	03-MAR-95 Chloroethane	_	
щ		02-MAR-95	Carbon disulfic	02-MAD-05 Caluoli teu acii	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95		02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95		02-MAR-95	02-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95		03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	Denzene	03-MAR-95 Bromoform	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95		03-MAR-95	03-MAR-95
SAMPLE METHOD DATE	02-MAR-95 02-MAR-95 02-MAR-95	02-MAR-95	02-MAR-95 Carbon disulfic	02-MAD-05 Caluoli teu acii	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	02-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-93 Derizene	03-MAR-95 Bromoform	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95	03-MAR-95
SAMPLE DATE	02-MAR-95 02-MAR-95 02-MAR-95	UM05 02-MAR-95	02-MAR-95 Carbon disulfic	TIMOS 02-ividam-50 Caroon tenach	UM05 02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95	03-MAR-93 Derizene	UM05 03-MAR-95 Eromodermor	UM05 03-MAR-95	03-MAR-95	UM05 03-MAR-95	UM05 03-MAR-95				
FIELD SAMPLE SAMPLE SAMPLE DATE	UM05 02-MAR-95 UM05 02-MAR-95 UM05 02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95 Carbon disulfic	UNIO OZ-IVIAR-95 CALONI (cu acii	UM05 02-MAR-95	FB3295 UM05 02-MAR-95	UM05 02-MAR-95	UM05 02-MAR-95	FB3295 UM05 02-MAR-95 FB3295 TB3295 TB405 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAK-95 FB3295 1M05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UMUS US-MAR-95 DETERIE	FB3395 UM05 03-MAR-95 Bromoform	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95
SAMPLE METHOD DATE	UM05 02-MAR-95 UM05 02-MAR-95 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95 Carbon disulfic	UNIO OZ-IVIAR-95 CALONI (cu acii	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3295 UM05 02-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	UM05 03-MAR-95	FB3395 UM05 03-MAR-95 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	UMUS US-MAK-95 Denzene	FB3395 UM05 03-MAR-95 Bromoform	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95	UM05 03-MAR-95	FB3395 UM05 03-MAR-95	FB3395 UM05 03-MAR-95

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL R R UGL R R UGL R R R R R R R R UGL R R UGL R R UGL R R UGL R R UGL R R UGL R R R UGL R R R R R R R R R R R R R R R R R R R	UGC UGC R R R R R R R R R R R R R R R R R R R
RESULT	~~~ <u>5</u> ~~~~~~	************************
MEAS BOOL.	2222222222	222222222222222222222222222222222222222
ANALYTE	cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Skyrene T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1,1,1-Trichlorocthane 1,1,2,2-Tetrachlorocthane 1,1,2-Dichlorocthane 1,1-Dichlorocthane 1,1-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 1,2-Dichlorocthane 2-Hexanone Acetone Bromodichloromethane Bromoficm Bromoficm Bromoficm Carbon disulfide Carbon disulfide Carbon tetrachloride Chlorocthane Cris-1,2-Dichlorocthane Toluene Toluene Toluene
SAMPLE <u>DATE</u>	ichlor chlorc zene obuty ie chlo roeth roeth (total)	17-APR-95 1,1,1-Trichlorocthane 17-APR-95 1,1,2,2-Tetrachlorocthane 17-APR-95 1,1,2-Trichlorocthane 17-APR-95 1,1-Dichlorocthane 17-APR-95 1,2-Dichlorocthane 17-APR-95 1,2-Dichlorocthane 17-APR-95 1,2-Dichlorocthane 17-APR-95 2-Butanone 17-APR-95 2-Hexanone 17-APR-95 Bromodichloromethane 17-APR-95 Bromoform 17-APR-95 Bromomethane 17-APR-95 Carbon disulfide 17-APR-95 Carbon fetrachloride 17-APR-95 Chlorocethane 17-APR-95 Chlorocethane 17-APR-95 Chlorocethane 17-APR-95 Chlorocethane 17-APR-95 Chlorocethane 17-APR-95 Chloromethane 17-APR-95 Chloromethane 17-APR-95 Chloromethane 17-APR-95 Chloromethane 17-APR-95 Chloromethane 17-APR-95 Methyl isobutyl ketone 17-APR-95 Methyl i
щ	cis-1,2-Dichlor Dibromochlore Ethylbenzene Methyl isobuty Methylene chlc Styrene T i 3DCP Tetrachloroeth T olluene trans-1,2-Dichl Trichloroethen Xylenes (total)	
SAMPLE <u>DATE</u>	03-MAR-95 cis-1,2-Dichlor 03-MAR-95 Dibromochlor 03-MAR-95 Ehtyberzene 03-MAR-95 Methyl isobuty 03-MAR-95 Methylene chlc 03-MAR-95 Styrene 03-MAR-95 T13DCP 03-MAR-95 Terachloroeth 03-MAR-95 trans-1,2-Dichl 03-MAR-95 trans-1,2-Dichl 03-MAR-95 Trichloroethen 03-MAR-95 Trichloroethen 03-MAR-95 Xylenes (total)	17.4PR-95 17.4PR-95

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

INST CODE	LOT NUMBER	FIELD SAMPLE ID	METHOD	SAMPLE <u>DATE</u>	ANALYTE	MEAS BOOL.	RESULT	UNIT MEAS	FLAGGING DATA CODES QUAL	DATA QUALIFIERS
						ļ	,	;	i	
WB	INO	RB41795	UM05	17-APR-95	Trichloroethene	QN.	ς.	ngr	~	
WB	INO	RB41795	UM05	17-APR-95	Xylenes (total)	QN	'n	ner	~	
WB	INO	RB41895	UM05	18-APR-95	1,1,1-Trichloroethane	Q.	S	ner	×	
WB	ONI	RB41895	UM05	18-APR-95	1,1,2,2-Tetrachloroethane	S	~	ngr	~	
WB	ONI	RB41895	UM05	18-APR-95	1,1,2-Trichloroethane	QZ	~	NGL	~	
WB	CN	RB41895	UM05	18-APR-95	1.1-Dichloroethane	ND	\$	NGL	~	
W.B.	ON	PR41895	1,1005	18-APR-95	1.1-Dichlornethene	QN	•	ner	~	
9/1		DB/1994	TUMOS	18. APP. 05	1 2. Dichlomethane	2	. •	5	. ~	
, M		PB41895	TIMOS	18-APR-95	1.2-Dichloronronane	2	, v r	1001	: ≃	
2 5	0.6	1001FUN	COINTO	10 App 06	Determined by the second of th		٠	בר בר בר בר בר בר בר בר בר בר בר בר בר ב	. 0	
X E		KB41895	LIMOS TIMOS	18 ADD 05	2-Duranione	2 5	2 5	בו בו	4 0	
9 6		DD41895	113,405	18. APP. 05	Actions	2 5	2 2	101	: c	
a m		PB41895	11M05	18-APR-95	Renzene	G	'n	ndi	: ≃	
M M		RR41895	11M05	18-APR-95	Bromodichloromethane	Q.	•	ndr	~	
WB	CNI	RB41895	UMOS	18-APR-95	Bromoform	QN	'n	NGL	2	
W.	ON C	RB41895	17M05	18-APR-95	Bromomethane	ND	01	ner	2	
2 M		P R41895	TIMOS	18.APR.95	CIADCP	CZ	~	ÜĞİ.	~	
A A		PB41895	11M05	18-APR-95	Carbon disuffide	Q.	· v ∩	ner	. e	
2 5		DD41808	10,00	10 ADD 05	Contract to the contract of th	2	. •		: <u>a</u>	
2 5		KD41893	1000 1000	10 ABD 05	Chlarcherman	2 5	, v		4 0	
M W	ONI ONI	KB41893	COMO	16-477-93	Citior overlicitie		. 5		4 6	
R M	O I	KB41895	COMO	18-AFR-93	Chloroethane	2	2 :	35:	۵ ۵	
WB	ONI	RB41895	UM05	18-APR-95	Chloroethene	2 5	<u> </u>	35.	≚ 6	
WB	ONI	RB41895	UM05	18-APR-95	Chloroform	Q :	^ ;	5	∠ 1	
WB	ONI	RB41895	UM05	18-APR-95	Chloromethane	QN	01	ngr	≃ :	
WB	INO	RB41895	UM05	18-APR-95	cis-1,2-Dichloroethene	NO NO	S	ngr	≃	
WB	ONI	RB41895	UM05	18-APR-95	Dibromochloromethane	QN Q	\$	NGL	×	
WB	ONI	RB41895	UM05	18-APR-95	Ethylbenzene	Q Z	~	NGL	×	
WB	INO	RB41895	UM05	18-APR-95	Methyl isobutyl ketone	QN	10	NGL	~	
WB	ONI	RB41895	UM05	18-APR-95	Methylene chloride	ND Q	S	ngr	≃	
WB	ONI	RB41895	UM05	18-APR-95	Styrene	QN	~	Ω CL	×	
WB	ONI	RB41895	UM05	18-APR-95	TI3DCP	QN	S	19n	~	
WB	ONI	RB41895	UM05	18-APR-95	Tetrachloroethene	ΩN	٠,	NGL	~	
WB	CN	RB41895	UM05	18-APR-95	Toluene	QN	~	NGL	×	
WB	ONI	RB41895	UM05	18-APR-95	trans-1,2-Dichloroethene	ND	\$	ngr	~	
WB	CZI	RB41895	UMOS	18-APR-95	Trichloroethene	QN	•	UGL	~	-
X X	CNI	RB41895	UM05	18-APR-95	Xvlenes (total)	2	•	ner	· ~	
)					:	,		i	
WB	INP	RB42195	UM05	21-APR-95	1.1.1-Trichloroethane	ND	₩.	ndr	~	
WB	dNI	RB42195	UMOS	21-APR-95	1.1.2.2-Tetrachloroethane	ND	•	ner	2	
WB	aNI	RB42195	UMOS	21-APR-95	1.1.2-Trichloroethane	QN	•	ner	~	
WB	aNI	RB42195	111405	21-APR-95	1.Dichloroethane	QX	•	101	· œ	
W.B.	aN.	RB42195	TIMOS	21-APR-95	1.1-Dichloroethene	S	. •	101	í œ	
X X	a Z	RB42195	UM05	21-APR-95	1.2-Dichloroethane	QN	· •^	ng.	: ≃	
M H	a N	RB42195	11M05	21-APR-95	1.2-Dichloronronane	QX	· •	101	: ≃	
MB W		RB42195	UM05	21-APR-95	2-Butanone	Q Q	, <u>0</u>	ndl	. ≃	
;	:		! !	 -				i	į	

INST LOT CODE NUMBER	FIELD SAMPĹE ID	METHOD	SAMPLE <u>DATE</u>	ANALYTE	MEAS BOOL	RESULT	UNIT	FLAGGING DATA CODES QUALIFIERS
_	RB42195	UM05	21-APR-95	2-Hexanone	QX	01	UGL	~
WB INP	RB42195	UMOS	21-APR-95	Acetone	ND	10	ner	2
	RB42195	UM05	21-APR-95	Benzene Benmodichloromathana	Q K	•	ngF	~ 1
_	RB42195	UM05	21-APR-95		Q S	n v	ו מפר	× a
_	RB42195	UM05	21-APR-95	Bromomethane	2 R	01	ndF	4 e4
	RB42195	UM05	21-APR-95	CI3DCP	QN QN	¦ •n	ner	2
	RB42195	UM05	21-APR-95	Carbon disulfide	ND	٠,	UGL	24
WB INF	RB42195	UMOS	21-APR-95	Carbon tetrachloride	QN	S	NGL	R
	RB42195 RB42195	UMOS	21-APR-95 21-APR-95	Chlorobenzene	2 5	en <u>c</u>	ngr ngr	≃ 6
	RB42195	UMOS	21-APR-95	Chloroethene	2 5	2 2	בל בל	¥ 0
	RB42195	UM05	21-APR-95	Chloroform	Q Q	5 40	UG.	4 ≃
	RB42195	UM05	21-APR-95	Chloromethane	QN	10	ngr	: ~
	RB42195	UM05	21-APR-95	cis-1,2-Dichloroethene	ND	S	NGL	R
	RB42195	UM05	21-APR-95	Dibromochloromethane	QN	s	NGL	R
WB INP	KB42195	UMOS	21-APR-95	Ethylbenzene	Q	S	Ω	×
	KB42195	CMOS	21-APR-95	Methyl isobutyl ketone	ΩN	10	UGL	R
	RB42193	UMOS	21-AFR-95	Methylene chloride	2	· cv	ngr	8
	RB42195	UMOS	21-APR-95	Styrene	2 2	vo •		≃ 1
	RB42195	UM05	21-APR-95	Tetrachloroethene	S S	∩ •	בי בי בי	¥ 6
	RB42195	UMOS	21-APR-95	Toluene	2 2	.		≼ œ
	RB42195	UM05	21-APR-95	trans-1,2-Dichloroethene	Q	ν,	ngr	. ex
	RB42195	UM05	21-APR-95	Trichloroethene	ND	•	ngr	: «
	RB42195	UM05	21-APR-95	Xylenes (total)	ND	s	ngr	R
	RB42495	UMOS	24-APR-95	1,1,1-Trichloroethane	ND	~	NGL	2
WB INP	KB42495	CMOS	24-APR-95	1,1,2,2-Tetrachloroethane	QN :	s	NGL	2
	RB42495	TIMOS	24-APR-95	1,1,2-1 richloroethane 1 1-Dickloroethane	Q S	vo v	Tg:	2 2
	RB42495	UM05	24-APR-95	1.1-Dichloroethene	2 2	Λ ν	5 5	× 6
_	RB42495	UM05	24-APR-95	1,2-Dichloroethane	2 2) v)		∠ ≃
	RB42495	UM05	24-APR-95	1,2-Dichloropropane	ND	8	ner	: 22
	RB42495	UM05	24-APR-95	2-Butanone	ND	10	NGL	8
	KB42495	UMOS	24-APR-95	2-Hexanone	Q	10	NGL	~
WB INF	KB42495	CMOS	24-APR-95	Acelone	QZ :	10	NGL	R
_	DD42493	111405	24-Ark-93	Derizene Deresene	QN :	S	NGL	¥
_	RB42495	TMOS	24-AFR-93 74-APR-95	Bromodicnioromethane Bromoform	2 5	v, i	nat Nat	2 :
	RB42495	UM05	24-APR-95	Bromomethane		n <u>s</u>	OGF.	× 1
	RB42495	UM05	24-APR-95	CI3DCP	2 5	<u>.</u> •	בי בי בי	¥ 0
_	RB42495	UM05	24-APR-95	sulfic	Q	, v)		←
	RB42495	UM05	24-APR-95	Carbon tetrachloride	QN	· v	nor	: 2
WB INP	RB42495	UMOS	24-APR-95	Chlorobenzene	ND	ş	NGL	2
	KB42493	OMOS	24-APR-95	Chloroethane	ND	10	NGF	~

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

FLAGGING DATA CODES QUALIFIERS		•
UNIT FLAGGI MEAS CODES	UGL R UGL R	UGL R R UGL R UGL R R UGL R R UGL R R UGL R R UGL R R UGL R R UGL R UGL R R UGL R R UGL R UGL R R UGL
RESULT	<u> </u>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAS BOOL	22222222222222	222222222222222222222222222222222222222
	roethene romethane yl ketone loride hene hloroethene	robenzene benzene cenzene rophenol rophenol henol phenol phenol henol luene lu
ANALYTE	Chloroethene Chloroform Chloromethane cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene Methyl isobutyl ketone Methylene chloride Styrene T13DCP Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Xylenes (total)	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,4-Dimtrophenol 2,-Methyl-4,6-dimtrophenol 2-Methyl-4,6-dimtrophenol 2-Methylphenol 3-Methylphenol 3-Nitroaniline 2-Nitrophenol 3,3-Dichlorobenzidine 3-Nitroaniline 4-Chloroaniline 4-Chlorophenylphenol 4-Nitrophenol Acenaphthene Anthracene
SAMPLE DATE ANALYTE	24-APR-95 Chloroethene 24-APR-95 Chloroform 24-APR-95 Chloromethane 24-APR-95 cis-1,2-Dichloroethene 24-APR-95 Dibromochloromethane 24-APR-95 Ethylbenzene 24-APR-95 Methyl isobutyl ketone 24-APR-95 Styrene 24-APR-95 Tri3DCP 24-APR-95 Tetrachloroethene 24-APR-95 Trichloroethene	18-APR-94 1, 2,4-Trichlorobenzene 18-APR-94 1,2-Dichlorobenzene 18-APR-94 1,3-Dichlorobenzene 18-APR-94 1,4-Dichlorobenzene 18-APR-94 2,4,5-Trichlorophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,4-Dimtrophenol 18-APR-94 2,0-Dimtrophenol 18-APR-94 2,0-Dimtrophenol 18-APR-94 2,0-Dimtrophenol 18-APR-94 2-Methylaphenol 18-APR-94 2-Mitroanline 18-APR-94 3,3-Dichlorobenzidine 18-APR-94 3,3-Dichlorobenzidine 18-APR-94 4-Chloroa-cresol 18-APR-94 4-Chloroanline 18-APR-94 4-Chloroanline 18-APR-94 4-Chloroanline 18-APR-94 4-Chloroanline 18-APR-94 4-Nitrophenol 18-APR-94 4-Nitrophenol 18-APR-94 4-Nitrophenol 18-APR-94 4-Nitrophenol 18-APR-94 Acenaphthylene
H,	Chloroethene Chloromethane cis-1,2-Dichlor Dibromochloro Ethylbenzene Methyl isobuty Methylene chlo Styrene T13DCP Tetrachloroeth Toluene trans-1,2-Dichl Trichloroethen Xylenes (total)	
SAMPLE DATE	24-APR-95 Chloroethene 24-APR-95 Chloromethane 24-APR-95 cis-1,2-Dichlor 24-APR-95 Dibromochloro 24-APR-95 Ethylbenzene 24-APR-95 Methyl isobuty 24-APR-95 Methylene chlor 24-APR-95 Trichloroeth 24-APR-95 Tetrachloroeth 24-APR-95 Tetrachloroeth 24-APR-95 Trichloroeth 24-APR-95 Trichloroeth 24-APR-95 Trichloroeth 24-APR-95 Trichloroeth 24-APR-95 Trichloroeth 24-APR-95 Trichloroeth	18.APR.94 18.APR.94
SAMPLE SAMPLE DEID METHOD DATE	UM05 24-APR-95 Chloroethene UM05 24-APR-95 Chloromethane UM05 24-APR-95 Chloromethane UM05 24-APR-95 cis-1,2-Dichlor UM05 24-APR-95 Dibromochloro UM05 24-APR-95 Ethylbenzene UM05 24-APR-95 Methyl isobuty UM05 24-APR-95 Methylene chlo UM05 24-APR-95 Styrene UM05 24-APR-95 Tetrachloroeth UM05 24-APR-95 Toluene UM05 24-APR-95 Trichloroeth UM05 24-APR-95 Trichloroeth UM05 24-APR-95 Trichloroeth UM05 24-APR-95 Trichloroeth UM05 24-APR-95 Trichloroethen UM05 24-APR-95 Trichloroethen UM05 24-APR-95 Trichloroethen	UM06 18-APR-94 UM06 18-APR-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA I MEAS CODES QUALIFIERS	0 UGL R 0 UGL R 0 UGL R 0 UGL R			10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R	
RESULT		4 6 0 			
MEAS BOOL.	99999	9999	22222	222222	222222222222 22222
			hane Le		
ANALYTE	B2CIPE Benzo(a)anthracene Benzo(a)pyrene Benzo(g,h,i)perylene Benzo(g,h,i)perylene	Benzoic acid Benzopyrene Benzyl Alcohol beta-Chloronaphthalene	Bis(2-chloroethoxy) methane Bis(2-chloroethyl)cther Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate Chrysene	Di-n-butyl phthalate Di-n-octyl phthalate Dibenz(a,h)anthracene Dibenzofuran Dietryl phthalate Dimethyl phthalate Fluoranthene	Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodiphenylamine N-Nitrosodiphenylamine N-Nitrosodiphenylamine N-Nitrosodiphenylamine N-Phranel Phenal Phenal Phenal Phenal Pyrene UNK633 UNK633 UNK633 UNK633 UNK639 1,2-4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene
SAMPLE DATE ANALYTE	18-APR-94 B2CIPE 18-APR-94 Benzo(a)anthracene 18-APR-94 Benzo(a)pyrene 18-APR-94 Benzo(g,h.j)perylene 18-APR-94 Benzo(K)fluoranthene	_			
<u> </u>		18-APR-94 18-APR-94 18-APR-94 18-APR-94	18-APR-94 18-APR-94 18-APR-94 18-APR-94 18-APR-94	18.APR-94 18.APR-94 18.APR-94 18.APR-94 18.APR-94	18-APR-94 19-APR-94 19-APR-94
SAMPLE <u>DATE</u>	18-APR-94 18-APR-94 18-APR-94 18-APR-94	UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94	UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94	UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94 UM06 18-APR-94	UMO6 18-APR-94 UMO6 19-APR-94 UMO6 19-APR-94 UMO6 19-APR-94

FLAGGING DATA CODES QUALIFIERS	死队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队队	
UNIT		
RESULT		
MEAS BOOL	<u> </u>	
ANALYTE	2.4,5.Trichlorophenol 2.4,6.Trichlorophenol 2.4.Dimethylphenol 2.4.Dimethylphenol 2.4.Dimethylphenol 2.4.Dimethylphenol 2.4.Dimethylphenol 2.4.Dimitoolouene 2.6.Dimitoolouene 2.6.Dimitoolouene 2.6.Dimitoolouene 2.6.Methylphenol 2.Methylphenol 2.Methylphenol 3.4.Dicophenol 3.4.Dicophenol 3.4.Dicophenol 4.Chlorophenylphenyl Ether 4.Chlorophenylphenyl Ether 4.Chlorophenylphenol 4.Nitrophenol 4.Nitrophenol 4.Nitrophenol 4.Nitrophenol 5.Dicophenol 6.2.Dicophenol 6.2.Dicophenol 6.3.Diperylene 6.2.Diperylene 6.Diperylene 6.Dipero(s) methane 6.Dipero(s) methane 6.Dipero(s) phythalate	•
SAMPLE <u>Date</u>	19-APR-94 19-APR-94	
METHOD	0 MU06 0 UM06 0	
FIELD SAMPLE ID	RB06 RB06 RB06 RB06 RB06 RB06 RB06 RB06	
INST LOT CODE NUMBER	WB 10C WB 10C	

FLAGGING DATA CODES QUALIFIERS																																					
UNIT FL	UGL R	3 H 4 M]; ¤ •	를 끌 도 도	3Ľ.	JL R	UGL R	7 E	UGL R	JL R	3L R		odl sb	HGI.	4 2 4 2 4 2	JL R	3L R	UGL R	ار د ۲ م	4 e	. H	3L R	JL R	از: ج د			UGL R	UGL R	UGL R	UGL R	2); 2)	25. 25.	355	35.	101	; ;; : ~)[
N G	TON COU	ngi	מַל		ຣິລິ	ă	Ton Cor		5	ndr	ĭ	<u>ۃ</u>	ĭ:	5 5	ă ă	ă	ĭ	<u>ځ</u> :	5 5	ĭ	Ton	Ton	<u>ت</u>		ĭ	ă	ă	ĭ	ĭ	ĭ	ioi:	<u>ظ</u> :	<u>ځ</u> ځ	5 ≥	ĭ Ξ	CO	ĭ
RESULT	0 0 0	10	2 9	01	10	10	2 2	2 2	20	10	10	10	•	2 5	01	10	20	2 :	0.0	2 02	10	10	01	20	2 2	20	10	20	20	10	01	0I :	2 5	0 5	S 2	10	10
MEAS BOOL.	222	S	2 2	2 2	QN	QX	<u>8</u> 8	2 2	QX	QN	QN	NO.	ş	2 2	2	ND	QN:	2 5	8 5	2 2	Q	ΩN	2	Q X	2 2	2	ND	QN	Q.	QN	2	Q K		2 5	e e	Q	QN
ANALYTE	Fluoranthene Fluorene Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene Hexachlorochana	Indeno(1,2,3-c,d)pyrene	Isophorone	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	UNKO39 1.2.4-Trichlorchanzana	1.2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chlorophenol	Z-Methyl-4,0-dimirophenol	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine		4-Bromophenyl phenyl ether	4-Chloro-3-cresol	4-Citotoshomilahami Edaa	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaplithene	Acenaphthylene
SAMPLE <u>DATE</u>	19-APR-94 Fluoranthene 19-APR-94 Fluorene 19-APR-94 Hexachlorobenzene		19-AFR-94 Hexachlorocyclopentadiene 19-APR-94 Hexachlorocthana				19-APR-94 N-Nitrosodiphenylamine						19-ALK-94 UNK039					20-APR-94 2,4,6-Trichlorophenol					20-APR-94 2-Chlorophenol			20-APR-94 2-Nitroaniline			3-Nitroaniline	4-Bromophenyl	20-Al'R-94 4-Chloro-3-cresol	4-Chloropham	4-Methylpheno				20-Al'R-94 Acenaphthylene
30		19-APR-94		19-APR-94	19-APR-94	19-APR-94	,	19-APR-94	19-APR-94	19-APR-94	19-APR-94	19-APR-94		20-APR-94	20-APR-94	20-APR-94	20-APR-94		20-APR-94	20-APR-94	20-APR-94	20-APR-94		20-74 K-94	20-APR-94	20-APR-94	20-APR-94	20-APR-94	20-APR-94 3-Nitroaniline	20-AFR-94 4-Bromophenyl		20-74 N-24 4-Cillologillille 20-APP-94 A-Chlorophanu	20-APR-94 4-Methylpheno	20-APR-94		20-APR-94	
SAMPLE <u>DATE</u>	19-APR-94 19-APR-94 19-APR-94	19-APR-94	UM06 19-APR-94	UM06 19-APR-94	UM06 19-APR-94	UM06 19-APR-94	19-APR-94 19-APR-94	UM06 19-APR-94	UM06 19-APR-94	UM06 19-APR-94	UM06 19-APR-94	19-APR-94	11M06 20.4 PR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	20-APR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	20-APR-94	11M06 20-74-11-24	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94	UM06 20-APR-94 3-Nitroaniline	UMU6 ZU-AFR-94 4-Bromophenyl	20-APR-94	TIMOS 20-AM A-Chlorophanu	UM06 20-APR-94 4-Methylpheno	UM06 20-APR-94	20-APR-94	UM06 20-APR-94	20-APR-94
SAMPLE METHOD DATE	UM06 19-APR-94 UM06 19-APR-94 UM06 19-APR-94	RB06 UM06 19-APR-94	IOC KB06 UM06 19-AFR-94 IOC RB06 11M06 19-APR-94	10C RB06 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	UM06 19-APR-94 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	IOC RB06 UM06 19-APR-94	UM06 19-APR-94	10C RB07 11M06 20.APB.94	10C RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	UM06 20-APR-94	10C RB0/ UM06 20-APR-94	10C RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	UM06 20-APR-94	IOC RB07 11M06 20-70-10-94	IOC RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	RB07 UM06 20-APR-94	IOC KB0/ UM06 20-APR-94 3-Nitroaniline	IOC KEO/ UM06 ZO-AFR-94 4-Bromophenyl	10C RE07 UM06 20-APR-94	IOC RR07 IMM6 20-AB-94 4-Chlorophony	IOC RB07 UM06 20-APR-94 4-Methylpheno	10C RB07 UM06 20-APR-94	IOC RB07 UM06 20-APR-94	10C RB07 UM06 20-APR-94	UM06 20-APR-94

G DATA QUALIFIERS			
FLAGGING DATA CODES QUAL	RRRRRRRRR RR	张陈庆庆庆庆庆庆庆庆庆庆庆庆庆庆 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	RV RV RV RV
UNIT MEAS	1500 1500 1500 1500 1500 1500 1500 1500	100 100 100 100 100 100 100 100 100 100	750 750 750 750 750
RESULT		0.0000000000000000000000000000000000000	10 10 10 20 20 20
MEAS BOOL.	99999999999999999999999999999999999999	2222222222222222222	<u> </u>
ANALYTE	Anthracene B2CIPE Benzo(a)anthracene Benzo(a)pyrene Benzo(b,i)perylene Benzo(c,h,i)perylene Benzopyrene Benzopyrene Benzopyrene Benzopyrene Bis(2-chloroaphthalene Bis(2-chloroethyy) methane Bis(2-chloroethyy) phthalate Bis(2-chloroethyy)phthalate Di-n-butyl phthalate	Di-n-octyl phthalate Dibenz(a,h)anthracene Dibenzofuran Diethyl phthalate Dinethyl phthalate Dinethyl phthalate Fluoranthene Fluoranthene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine N-Nitrosodiphenylamine Pentachlorophenol Phenauthrene Phenol Phenol Pyrene UNK542 UNK560	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol
SAMPLE <u>DATE</u>	20-APR-94 Anthracene 20-APR-94 B2CIPE 20-APR-94 Benzo(a)anthracene 20-APR-94 Benzo(a)pyrene 20-APR-94 Benzo(b,i)perylene 20-APR-94 Benzo(b,i)perylene 20-APR-94 Benzo(b,fi)uoranthene 20-APR-94 Benzopyrene 20-APR-94 Benzyl Alcohol 20-APR-94 Bis(2-chloroethoxy) methane 20-APR-94 Bis(2-chloroethyl)phthalate 20-APR-94 Bis(2-chloroethyl)phthalate 20-APR-94 Bis(2-chloroethyl)phthalate 20-APR-94 Di-n-butyl phthalate	20-APR-94 Di-n-octyl phthalate 20-APR-94 Dibenz(a,h)anthracene 20-APR-94 Dibenz(a,h)anthracene 20-APR-94 Diethyl phthalate 20-APR-94 Dimethyl phthalate 20-APR-94 Fluoranthene 20-APR-94 Hexachlorobenzene 20-APR-94 Hexachlorobenzene 20-APR-94 Hexachlorocyclopentadiene 20-APR-94 Hexachlorocyclopentadiene 20-APR-94 Hexachlorocyclopentadiene 20-APR-94 Indeno(1,2,3-c,d)pyrene 20-APR-94 Indeno(1,2,3-c,d)pyrene 20-APR-94 N-Nitrosodiphenylamine 20-APR-94 N-Nitrosodiphenylamine 20-APR-94 Pentachlorophenol 20-APR-94 Phenauthrene 20-APR-94 Phenauthrene 20-APR-94 Phenauthrene 20-APR-94 Phenauthrene 20-APR-94 Phenauthrene 20-APR-94 UNK 560	22-JUL-94 1.2.4-Trichlorobenzene 22-JUL-94 1,2-Dichlorobenzene 22-JUL-94 1,3-Dichlorobenzene 22-JUL-94 1,4-Dichlorobenzene 22-JUL-94 2,4,5-Trichlorophenol
E			
FIELD SAMPLE SAMPLE SAMPLE DATE	20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94 20-APR-94	20-APR-94 20-APR-94	22-JUL-94 22-JUL-94 22-JUL-94 22-JUL-94
SAMPLE <u>JE ID</u> <u>METHOD</u> <u>DATE</u>	UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94 UM06 20-APR-94	RB07 UM06 20-APR-94 RB07 UM06 20-APR-94	UM06 22-JUL-94 UM06 22-JUL-94 UM06 22-JUL-94 UM06 22-JUL-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS		10 UGL RV 10 UGL RV 10 UGL RV 10 UGL RV
MEAS BOOL, RES	99999999999999999999999999999999999999	ON ON O
ANALYTE	2,4-Dirchlorophenol 2,4-Dirchlorophenol 2,4-Dirchlorophenol 2,4-Dirnitrophenol 2,4-Dirnitrophenol 2,4-Dirnitrophenol 2-Chlorophenol 2-Methyl-4,6-dinitrophenol 2-Methylphenol 2-Methylphenol 2-Nitrophenol 3,3-Dichlorobenzidine 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chlorophenylphenol 4-Nitroaniline 4-Chlorophenylphenol 4-Nitrophenol 4-Nitrophenol 5,3-Dichlorophenylphenol 6-Chloroaniline 6-Chl	Diethyl phthalate Dimethyl phthalate Fluoranthene
SAMPLE <u>DATE</u>	1, 4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	9 4 4 4
	22-101-34 22-101-34	22-JUL-94 22-JUL-94 22-JUL-94
SA METHOD DA	UM06 22-JUL UM06 22-JUL	
		0M06 0M06 0M06

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS	10 UGL RV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV 10 UGL BV	10 UGL R 10 UGL R 10 UGL R 50 UGL R 10 UGL R 10 UGL R 50 UGL R 10 UGL R 50 UGL R 10 UGL R 50 UGL R 50 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R
MEAS BOOL	2222222222	222222222222222222
ANALYTE	Fluorene Hexachloroberzene Hexachlorobutadiene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodi-n-propyl	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,5-Dinitrophenol 2-Methylhapthalene 2-Chlorophenol 2-Methylphenol 2-Methylphenol 2-Methylphenol 3-Nitrophenol 3,3-Dichlorobenzidine 3-Nitrophinol 4-Chloro-3-cresol
SAMPLE <u>Date</u>	22-7UL-94 22-1UL-94	99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94 99-AUG-94
	A A A A A A A A A A A A A A A A A A A	
S METHOD L	UM06 UM06 UM06 UM06 UM06 UM06 UM06 UM06	UM06 09- UM06 09-

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS	10 UGL R	10 UGL R	_	_	10 UGL R	10 UGL R	10 UGL R	10 UGL R	10 UGL R	10 UGL R	_	10 UGL R		_ •	_ •	10 UGL R		_	_		10 UGL R		IO UGL R	_	_	_				10 OGL R	_		_	_	10 UGL R		50 UGL R		10 UGL R	_
MEAS BOOL	QN.	Q CZ	QX	QN	QN	QN	QN	QN	QN	QN	ND	QN :	2 5		2 5	2 5	<u> </u>	QN	ND	ND	QN	ON S	מ מ מ		ND	Q	QN :	Q Q	O S	2 2	2 2		Q	QN	QN	QN	2 5	a a	ND	
ANALYTE	4-Chloroathaulathaud Ethae	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Anthracene	B2CIPE	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Democia ocid	Benzonatene	Benzyl Alcohol	beta-Chloronanhthalene	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl)ether	Bis(2-ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene Di = testal attituta	Din entil abbelet	Dihenz(a blanthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Fluoranthene	Fluorene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene	Isophorone	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	Naphthalene	Nitrobenzene Pantachioranianal	Phenanthrene	Phenol	Pyrene Tinix s 1 c	UNKSIB
SAMPLE DATE	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AIIG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94	09-AUG-94
METHOD	UM06	0M0	0M0	OM06	OM06	OM06	OM06	OM06	0M06	0M06	0M06	TIMOS	OM06	UM06	OM06	UM06	0M06	OM06	OM06	0M06	11M06	OM06	0M0	0M0	0M0	OM06	SOMO 1 MOS	OM06	0M0	OM06	OM06	90WO	0M06	0M0	OM06	11M06	OM06	OM0	OM06	OIMIO
FIELD SER SAMPLE ID	RB20 RB20	RB20	RB20	RB20	KB20	KB20	RB20	KB20	KB20	KB20	K520	RB20	RB20	RB20	RB20	RB20	RB20	RB20	RB20	KB20 RB20	RB20	RB20	RB20	RB20	RB20	RB20 RB20	RB20	RB20	RB20	RB20	RB20	RB20	RB20	RB20	KB20	RB20	RB20	RB20	RB20 RB20	07GV
INST LOT CODE NUMBER	WB IOE WB IOE				wb 10E														WB TOE						WB IOE				WB IOE	_				WB IOE	-				WB TOE	-

UNIT FLAGGING DATA JLI MEAS CODES QUALIFIERS	5 UGL SBD 9 UGL SBD 90 UGL S 40 UGL SB 10 UGL SB	20 U U U U U U U U U U U U U U U U U U U	
MEAS BOOL, RESULT		222552252222222222222222222222222222222	ON ON
ANALYTE	UNK\$16 UNK\$16 UNK\$17 UNK\$18	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4-Frichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 3,4-Dinitrophenol 3,3-Dichlorophenol 3,3-Dichlorophenol 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline Bornoaniline 4-Chloroaniline Bornoaniline Bornoaniline Borno(3,hi)perylene Benzo(3,hi)perylene Benzo(3,hi)perylene Benzo(2,hi)perylene Benzo(2,hi)perylene	Benzyl Alcohol beta-Chloronaphthalene Bis(2-chloroethoxy) methane
SAMPLE DATE ANALYTE	09-AUG-94 UNK\$16 09-AUG-94 UNK\$16 09-AUG-94 UNK\$17 09-AUG-94 UNK\$18	10-AUG-94 1,2-Dichlorobenzene 10-AUG-94 1,2-Dichlorobenzene 10-AUG-94 1,3-Dichlorobenzene 10-AUG-94 1,4-Dichlorophenol 10-AUG-94 2,4-5-Trichlorophenol 10-AUG-94 2,4-5-Trichlorophenol 10-AUG-94 2,4-Dimethylphenol 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,4-Dimitroblene 10-AUG-94 2,Methylphenol 10-AUG-94 3,3-Dichlorobenzidine 10-AUG-94 3,3-Dichlorobenzidine 10-AUG-94 4-Chloro-3-cresol 10-AUG-94 4-Chloro-3-cresol 10-AUG-94 4-Chlorophenol 10-AUG-94 4-Chlorophenol 10-AUG-94 4-Chlorophenol 10-AUG-94 4-Nitrophenol 10-AUG-94 4-Nitrophenol 10-AUG-94 4-Nitrophenol 10-AUG-94 4-Nitrophenol 10-AUG-94 Benzo(a)anthracene 10-AUG-94 Benzo(a)anthracene 10-AUG-94 Benzo(a)anthracene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene 10-AUG-94 Benzo(a)pyrene	
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FIELD SAMPLE SAMPLE SAMPLE DATE	09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94	10-AUG-94 10-AUG-94	10-AUG-94 10-AUG-94 10-AUG-94
SAMPLE EID METHOD DATE	UM06 09-AUG-94 UM06 09-AUG-94 UM06 09-AUG-94 UM06 09-AUG-94 UM06 09-AUG-94 UM06 09-AUG-94 UM06 09-AUG-94	UMO6 10-AUG-94 UMO6 10-AUG-94	IOF RB19 UM06 10-AUG-94 IOF RB19 UM06 10-AUG-94 IOF RB19 UM06 10-AUG-94

UNIT FLAGGING DATA RESULT MEAS CODES QUALIFIERS	10 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R	10 UGL R R R R R R R R R R R R R R R R R R R	
MEAS BOOL	22222	222222222222222222222222222222222222222	99999999999999
<u>ANALYTE</u>	Bis(2-chloroethyl)ether Bis(2-ethylhexyl)phthalate Butyl berzyl phthalate Chrysene Di-n-butyl phthalate	Diberzofuran Diethyl phthalate Dimethyl phthalate Fluoranthene Fluoranthene Fluorantene Hexachlorobenzene Ilexachlorobutadiene Hexachlorocyclopentadiene Ilexachlorocyclopentadiene Ilexachlorocyclopentadiene Ilexachlorochane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodi-n-propylamine N-Nitrosodi-phenylamine N-Nitrosodi-phenylamine Pentachlorophenol Phenol Phenol	UNK526 UNK529 UNK534 Li,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorophenol 2,4,5-Trichlorophenol 2,4-Dimitrophenol
SAMPLE <u>DATE</u>	10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94	10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94 10-AUG-94	10-AUG-94 10-AUG-94 10-AUG-94 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95
METHOD	UM06 UM06 UM06 UM06 UM06	UM06 UM06 UM06 UM06 UM06 UM06 UM06 UM06	UM06 UM06 UM06 UM06 UM06 UM06 UM06 UM06
FIELD SAMPLE ID	RB19 RB19 RB19 RB19 RB19	RB19 RB19 RB19 RB19 RB19 RB19 RB19 RB19	RB19 RB19 RB19 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195 FB3195
INST LOT CODE NUMBER	10F 10F 10F 10F	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10F 10F 10F 10K 10K 10K 10K 10K 10K 10K

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

DATA <u>QUALIFIERS</u>		
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UNIT	Ton Ton Ton Ton Ton Ton Ton Ton Ton Ton	
RESULT	299999999999999999999999999999999999999	0 0 0 0 0 0 0
MEAS BOOL.	<u> </u>	<u> </u>
ANALYTE	2-Nitroaniline 2-Nitroaniline 3-Nitroaniline 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chloro3-cresol 4-Chlorophenylphenyl Ether 4-Methylphenol 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 4-Nitroaniline 5-Chlorophenol Acenaphthylene Acenaphthylene Acenaphthylene Benzo(a)anthracene Benzo(a)anthracene Benzo(a)hyprene Benzo(a)hyprene Benzo(a)hyprene Benzo(a)hyprene Benzo(a)hyprene Benzo(b)hyprene Benzo(y)hyprene	Hexachlorocyclopentadiene Hexachlorochlane Indeno(1,2,3-c,d)pyrene Isophorone N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine Naphthalene
SAMPLE DATE ANALYTE		01-MAR-95 Hexachlorocyclopentadiene 01-MAR-95 Hexachlorochane 01-MAR-95 Indeno(1,2,3-c,d)pyrene 01-MAR-95 Isophorone 01-MAR-95 N-Nitrosodi-n-propylamine 01-MAR-95 N-Nitrosodiphenylamine 01-MAR-95 Naphthalene
3	01-MAR-95 01-MAR-95	
SAMPLE <u>DATE</u>	UM06 01-MAR-95 UM06 01-MAR-95	01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95 01-MAR-95
FIELD SAMPLE BER SAMPLE ID METHOD DATE	FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 <th< td=""><td>FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95</td></th<>	FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95 FB3195 UM06 01-MAR-95
SAMPLE METHOD DATE	IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95 IOK FB3195 UM06 01-MAR-95	UM06 01-MAR-95 UM06 01-MAR-95 UM06 01-MAR-95 UM06 01-MAR-95 UM06 01-MAR-95 UM06 01-MAR-95 UM06 01-MAR-95

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

10 UGL R 10 UGL R 60 UGL R 10 UGL R 10 UGL R 10 UGL R 10 UGL R
22222222
Benzo(a)pyrene Benzo(g,h.i)perylene Benzo(k)fluoranthene Benzo(x)fluoranthene Benzopyrene Benzyl Alcohol beta-Chloronaphthalene Bis(2-chloroethoxy) methane
Benzo(a)pyrene Benzo(g,h,i)per Benzo(k)fluoral Benzo(a acid Benzopyrene Benzyl Alcohol beta-Chloronapl Bis(2-chloroeth)
02-MAR-95 Benzo(a) 02-MAR-95 Benzo(a) 02-MAR-95 Benzo(y) 02-MAR-95 Benzo(y) 02-MAR-95 Benzoyy 02-MAR-95 Benzoy I/ 02-MAR-95 Benzoy I/ 02-MAR-95 Benzoy I/ 02-MAR-95 Benzoy I/ 02-MAR-95 Benzoy I/ 02-MAR-95 Benzoy I/ 02-MAR-95 Bis(2-ch)
02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

DATA QUALIFIERS		
FLAGGING DATA CODES QUAL	RRRRRRRRRR	
UNIT MEAS	750 750 750 750 750 750 750 750 750 750	1500 1500 1500 1500 1500 1500 1500 1500
RESULT	000000000000000000000000000000000000000	50 50 50 50 50 50 50 50 50 50 50 50 50 5
MEAS BOOL.	222222222222222222	222222222222222222222222222222222222222
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ANALYTE	Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate Chrysene Di-n-butyl phthalate Dibenzcyl phthalate Dibenzofuran Diethyl phthalate Dibenzofuran Diethyl phthalate Fluoranthene Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Howachlorocyclopentadiene Howachlorocyclopentadiene Howachlorocyclopentadiene Howachlorocyclopentadiene Howachlorocyclopentadiene N-Nitrosodi:n-propylamine N-Nitrosodiphenylamine	Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol Phenol Pyrene 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 3,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 3,4-Dinitrophenol 2-Methylphenol 2-Methylphenol 2-Nitrophenol 3,3-Dichlorobenzidine 3-Nitroaniline 3-Nitroaniline 3-Nitroaniline
SAMPLE <u>DATE</u> ANALYTE	02-MAR-95 Bis(2-ethylhexyl)phthalate 02-MAR-95 Chrysene 02-MAR-95 Di-n-butyl phthalate 02-MAR-95 Di-n-octyl phthalate 02-MAR-95 Di-n-octyl phthalate 02-MAR-95 Dibenz(a,h)anthracene 02-MAR-95 Dibenz(a,h)anthracene 02-MAR-95 Dibenz(a,h)anthalate 02-MAR-95 Dimethyl phthalate 02-MAR-95 Fluoranthene 02-MAR-95 Fluoranthene 02-MAR-95 Hexachlorobenzene 02-MAR-95 Hexachlorobenzene 02-MAR-95 Hexachlorocyclopentadiene 02-MAR-95 Hexachlorocethane 02-MAR-95 Inoneothane 02-MAR-95 Inoneothane 02-MAR-95 Inoneothane 02-MAR-95 N-Nitrosodi-n-propylamine 02-MAR-95 N-Nitrosodiphenylamine	
щ	02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95	02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 03-MAR-95
SAMPLE <u>DATE</u>	UM06 02-MAR-95 UM06 02-MAR-95	UM06 02-MAR-95 UM06 02-MAR-95 UM06 02-MAR-95 UM06 02-MAR-95 UM06 02-MAR-95 UM06 02-MAR-95 UM06 02-MAR-95 UM06 03-MAR-95
SAMPLE JEID METHOD DATE	UM06 02-MAR-95 UM06 02-MAR-95	FB3295 UM06 02-MAR-95 FB3295 UM06 02-MAR-95 FB3295 UM06 02-MAR-95 FB3295 UM06 02-MAR-95 FB3295 UM06 02-MAR-95 FB3395 UM06 03-MAR-95 FB3395 UM06 03-MAR-95 <td< td=""></td<>

UM06 03-MAR-95 PUM06 03-MAR-95 PUM06 03-MAR-95	INST LOT CODE NUMBER		METHOD	SAMPLE DATE	ANALYTE	MEAS BOOL	RESULT	UNIT	FLAGGING DATA <u>CODES</u> <u>QUALIFIERS</u>
UMG6 03-MAR2-95 4-Methylphenol ND 10 UMG6 03-MAR2-95 4-Microanitine ND 10 UMG6 03-MAR2-95 4-Microphienol ND 10 UMG6 03-MAR2-95 Accamphilane ND 10 UMG6 03-MAR2-95 Berzol-preme		FB3395 FB3395 FB3395	UM06 UM06 UM06	03-MAR-95 03-MAR-95 03-MAR-95	4-Chloro-3-cresol 4-Chloroaniline 4-Chlorophenylphenyl Ether	Q Q Q	222	151 150 150	22 22
UMMO 03-AAR 8-93 Accumplished ND 50 UMMO 03-AAR 8-93 Accumplifylene ND 10 UMMO 03-AAR 8-93 Accumplifylene ND 10 UMMO 03-AAR 8-93 Berzo(pper ND 10 UMMO 03-AAR 8-93 Berzo(ppyrene ND 10 UMMO 03-AAR 8-93 Berzo(ppyrene ND 10 UMMO 03-AAR 8-93 Berzo(phyrene ND 10 UMMO 03-AAR 8-93 Berzo(phyrene ND 10 UMMO 03-AAR 8-94 Berzo(phyrene ND 10 UMMO 03-AAR 8-95 Berzo(phyrene ND 10 UMMO 03-AAR 8-94 Berzo(phyrene ND 10 UMMO 03-AAR 8-95 Berz (-dhorenthylathate ND 10 UMMO 03-AAR 8-95 Diever (-dhylathate ND 10 UMMO 03-AAR 8-95 Diever (-dhylathate ND 10 UMMO 03-AAR		FB3395 FB3395	UM06	03-MAR-95 03-MAR-95	4-Methylphenol 4-Nitroaniline	8 8 8	2 00	ngr Ngr	: X X
Fig. 1939 UMOR		FB3395	UM06	03-MAR-95	4-Nitrophenol Acenaphthene	2 Z	20	nor	~ .
Fig. 1995 UMOR G. JAMAR-293 BEATO-CAPE Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-295 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-294 Beato-Capityrene Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 BigG-a-direcentosy) methods Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UMOR G. JAMAR-295 Directof-lypithate Fig. 1995 UM		FB3395 FB3395	UM06	03-MAR-95	Acenaphthylene	SS	2 0	nor nor	× ~
Fig335 UMO6 03-MARP 95 Benzo(pluntracene Fig335 UMO6 03-MARP 95 Benzo(pluntracene Fig335 UMO6 03-MARP 95 Benzo(pluntracene Fig335 UMO6 03-MARP 95 Benzo(pluncathene MD 10 10 10 10 10 10 10 1		FB3395	OMIO UM06	03-MAR-95	Anthracene B2CIPE	<u>S</u> §	9:	NGL	2
FB33395 UMMOR G3-MAR-95 Bernzo(R,L)preplene ND 10 FB33395 UMMOR G3-MAR-95 Bernzo(R,L)preplene ND 10 FB33395 UMMOR G3-MAR-95 Bernzo(R,L)preplene ND 10 FB33395 UMMOR G3-MAR-95 Bernzo(R,L)preplene ND 10 FB33395 UMMOR G3-MAR-95 Bernzo(A,D) 10 10 FB33395 UMMOR G3-MAR-95 BisQ-c-chloredhoxy) methane ND 10 FB33395 UMMOR G3-MAR-95 BisQ-c-chloredhoxy) philalate ND 10 FB33395 UMMOR G3-MAR-95 BisQ-c-chloredhoxy) philalate ND 10 FB33395 UMMOR G3-MAR-95 Dist-ocyty philalate ND 10 FB33395 UMMOR G3-MAR-95 Dist-ocyty philalate ND 10 FB33395 UMMOR G3-MAR-95 Dist-ocyty philalate ND 10 FB33395 UMMOR G3-MAR-95 Dist-ocyty philalate ND <td></td> <td>FB3395</td> <td>UM06</td> <td>03-MAR-95</td> <td>Benzo(a)anthracene</td> <td>Q Q</td> <td>2 5</td> <td>100</td> <td>e 0</td>		FB3395	UM06	03-MAR-95	Benzo(a)anthracene	Q Q	2 5	100	e 0
FB3395 UMO6 G3-MAR-95 Berzock/plucathenee ND 100		FB3395 FB3395	0W06	03-MAR-95 03-MAR-95	Benzo(a)pyrene Benzo(a h imagilana	2	10	ner	
FF33355 UM/06 0.94AR8-95 Berzopyrene FF33355 UM/06 0.94ARR-95 Berzopyrene ND 10 FF33355 UM/06 0.94ARR-95 Berzopyrene ND 10 FF33355 UM/06 0.94ARR-95 Berzopyrene ND 10 FF33355 UM/06 0.94ARR-95 BisiZ-chloredhylyclic ND 10 FF33355 UM/06 0.94ARR-95 BisiZ-chloredhylyclic ND 10 FF33355 UM/06 0.94ARR-95 BisiZ-chloredhylyclic ND 10 FF33355 UM/06 0.94ARR-95 Dischargylphthalate ND 10 FF33355 UM/06 0.94ARR-95 Discharbylphthalate ND 10 FF33355 UM/06 0.94ARR-95 Discharbylphthalate ND 10 FF33355 UM/06 0.94ARR-95 Flooranthere ND 10 FF33355 UM/06 0.94ARR-95 Flooranthere ND 10 FF33355 UM/06	~ :	FB3395	UM06	03-MAR-95	Benzo(k.)fluoranthene	2 2	2 9	nat	≃ 6
F13335 UM06 03-MAR-95 Bernacylorene ND 10 F13335 UM06 03-MAR-95 Bera-Chloromaphthalene ND 10 F13335 UM06 03-MAR-95 Brist-bury phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10 F13335 UM06 03-MAR-95 Diseavel phthalate ND 10	∠ 5	FB3395	UM06	03-MAR-95	Benzoic acid	Q Q	20 20	d d	≚ ≃
FB3395 UM06 03-MAR-95 beta-Chitocomphthalene ND 10 FB3395 UM06 03-MAR-95 Bis(2-chitocomphthalene ND 10 FB3395 UM06 03-MAR-95 Dis-busy phthalate ND 10 FB3395 UM06 03-MAR-95 Diseasofinatione ND 10 FB3395 UM06 03-MAR-95 Financhy phthalate ND 10 FB3395 UM06 03-MAR-95 Disetly phthalate ND 10	2 52	FB3395	0W06	03-MAR-95	Benzul Alcahal	QN	10	NGL	8
FB33355 UM06 G3-MAR.95 Bis(2-chlorochioxy) methane ND 10 FB33355 UM06 G3-MAR.95 Bis(2-chlorochioxy) methane ND 10 FB3335 UM06 G3-MAR.95 Bis(2-chlorochioxy) phthalate ND 10 FB3335 UM06 G3-MAR.95 Di-t-butly phthalate ND 10 FB3335 UM06 G3-MAR.95 Di-bence(a, phthalate ND 10 FB3335 UM06 G3-MAR.95 Di-bence(a, phthalate ND 10 FB3335 UM06 G3-MAR.95 Di-bence(a, phthalate ND 10 FB3335 UM06 G3-MAR.95 Di-bence(a, phthalate ND 10 FB3335 UM06 G3-MAR.95 Florarither ND 10 FB3335 UM06 G3-MAR.95 Hexachlorobenzene ND 10 FB3335 UM06 G3-MAR.95 Hexachlorochiane ND 10 FB3335 UM06 G3-MAR.95 Hexachlorochiane ND 10 <	×	FB3395	UM06	03-MAR-95	beta-Chloronaphthalene	2 2	2 9	ndr	~ :
FB3395	~ ~	FB3395	UM06	03-MAR-95	Bis(2-chloroethoxy) methane	2 2	01	n de la	× ≃
FB3395 UM06 03-MAR-95 Date-butylineApplication ND 10 FB3395 UM06 03-MAR-95 Chrysene ND 10 FB3395 UM06 03-MAR-95 Dis-cetyl phthalate ND 10 FB3395 UM06 03-MAR-95 Dis-cetyl phthalate ND 10 FB3395 UM06 03-MAR-95 Discutyl phthalate ND 10 FB3395 UM06 03-MAR-95 Discutyl phthalate ND 10 FB3395 UM06 03-MAR-95 Discutyl phthalate ND 10 FB3395 UM06 03-MAR-95 Fluorene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobarzene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobardene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocalcane ND 10 FB3395 UM06 03-MAR-95 Hexachlorocalcane ND 10 FB3395 <td< td=""><td></td><td>FB3395</td><td>17M06</td><td>03-MAR-95</td><td>Bis(2-chloroethyl)ether Bis(2-chloroethyl)eth.</td><td>QN</td><td>10</td><td>NGL</td><td>R</td></td<>		FB3395	17M06	03-MAR-95	Bis(2-chloroethyl)ether Bis(2-chloroethyl)eth.	QN	10	NGL	R
FB3395 UM06 0.3-MAR-95 Chrysene ID 10 FB3395 UM06 0.3-MAR-95 Di-a-buty phthalate ND 10 FB3395 UM06 0.3-MAR-95 Di-a-buty phthalate ND 10 FB3395 UM06 0.3-MAR-95 Dibenz(a,h)anthracene ND 10 FB3395 UM06 0.3-MAR-95 Dichty phthalate ND 10 FB3395 UM06 0.3-MAR-95 Dichty phthalate ND 10 FB3395 UM06 0.3-MAR-95 Dichty phthalate ND 10 FB3395 UM06 0.3-MAR-95 Fluoranthene ND 10 FB3395 UM06 0.3-MAR-95 Floarene ND 10 FB3395 UM06 0.3-MAR-95 Hexachlorochardene ND 10 FB3395 UM06 0.3-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 0.3-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395	· 🛂	FB3395	OM06	03-MAR-95	Dis(z-eurymexy)punnalate Butyl benzyl phthalate	O S	00:	ndr	2
FB3395 UM06 03-MAR-95 Di-n-buty phthalate ND 10 FB3395 UM06 03-MAR-95 Di-n-cetyl phthalate ND 10 FB3395 UM06 03-MAR-95 Di-berzofuran ND 10 FB3395 UM06 03-MAR-95 Di-berzofuran ND 10 FB3395 UM06 03-MAR-95 Di-berzofuran ND 10 FB3395 UM06 03-MAR-95 Fluoranhene ND 10 FB3395 UM06 03-MAR-95 Fluoranhene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobradiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Indemo(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 Indemo(1,2,3-c,d)pyrene ND 10 FB3395 <td>₩ 5</td> <td>FB3395</td> <td>UM06</td> <td>03-MAR-95</td> <td>Chrysene</td> <td></td> <td>0 1</td> <td>5 5</td> <td>. ≃ ≃</td>	₩ 5	FB3395	UM06	03-MAR-95	Chrysene		0 1	5 5	. ≃ ≃
FB3395	<i>.</i> .	FB3395	UM06	03-MAR-95	Di-n-butyl phthalate	Q	01	ndr	~ ~
FB3395 UM06 03-MAR-95 Discussionant content ID 10 FB3395 UM06 03-MAR-95 Direthyl phthalate ND 10 FB3395 UM06 03-MAR-95 Direthyl phthalate ND 10 FB3395 UM06 03-MAR-95 Fluorantheme ND 10 FB3395 UM06 03-MAR-95 Hexachlorobutadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocycloentadiene ND 10 FB3395 UM06 03-MAR-95 Indenc(1,2,3-c,dpyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodi-n-propylamine ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodi-n-propylamine ND ND <td></td> <td>FB3395</td> <td></td> <td>03-MAR-95</td> <td>Di-n-octyl phthalate Dihenz(a h)anthazana</td> <td>Q</td> <td>10</td> <td>NGL</td> <td>: ~</td>		FB3395		03-MAR-95	Di-n-octyl phthalate Dihenz(a h)anthazana	Q	10	NGL	: ~
FB3395 UM06 03-MAR-95 Diethyl phthalate ND 10 FB3395 UM06 03-MAR-95 Dimethyl phthalate ND 10 FB3395 UM06 03-MAR-95 Fluoranthene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobenzene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Indenot (1,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 Indenot (1,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND ND FB3395 UM06 03-MAR-95 Nitrobenzene ND ND FB3395 UM06 03-MAR-95 Pentachlorophenot ND ND	.,	FB3395	UM06	03-MAR-95	Dibenzofuran	Q S	2 :	ndL	2
FB3395 UMM6 03-MAR-95 Dimethyl phthalate Dimethyl phthalate FB3395 UMM6 03-MAR-95 Fluoranthene ND 10 FB3395 UMM6 03-MAR-95 Fluorene ND 10 FB3395 UMM6 03-MAR-95 Hexachlorobenzene ND 10 FB3395 UMM6 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UMM6 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UMM6 03-MAR-95 Indenot(12,3-c,d)pyrene ND 10 FB3395 UMM6 03-MAR-95 Isphorone ND 10 FB3395 UMM6 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UMM6 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UMM6 03-MAR-95 N-Industrosodiphenylamine ND ND 10 FB3395 UMM6 03-MAR-95 Phenathlylamine ND ND 10 <td>.</td> <td>FB3395</td> <td>UM06</td> <td>03-MAR-95</td> <td>Diethyl phthalate</td> <td>ב ב ב</td> <td>0 2</td> <td></td> <td>~ •</td>	.	FB3395	UM06	03-MAR-95	Diethyl phthalate	ב ב ב	0 2		~ •
FB3395 UM06 03-MAR-95 Fluoranthene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobenzene ND 10 FB3395 UM06 03-MAR-95 Hexachlorochandiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorochandiene ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodi-n-propylamine ND 10 FB3395 UM06 03-MAR-95 Pentachlorophenol ND 10 FB3395 UM06 03-MAR-95 Phenauthrene ND 10	<i>.</i> .	FB3395 FB3395	UM06	03-MAR-95	Dimethyl phthalate	S Q	2 2	Ton Not	× ~
FB3395 UM06 03-MAR-95 Hexachlorobenzene ND 10 FB3395 UM06 03-MAR-95 Hexachlorobenzene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UM06 03-MAR-95 Nitrobenzene ND 10 FB3395 UM06 03-MAR-95 Phenanthrene ND 10 FB3395		FB3395	OM06	03-MAR-95	l'iloranthene Fliggrane	QN :	10	NGF	2
FB3395 UM06 03-MAR-95 Hexachlorobutadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UM06 03-MAR-95 Nitropulamine ND 10 FB3395 UM06 03-MAR-95 Pentachlorophenol ND 10 FB3395 UM06 03-MAR-95 Phenal ND 10 FB3395 UM06	~	FB3395	UM06	03-MAR-95	Hexachlorobenzene	S S	0 5	ner Ner	≃ :
FB3395 UM06 03-MAR-95 Hexachlorocyclopentadiene ND 10 FB3395 UM06 03-MAR-95 Hexachlorochtane ND 10 FB3395 UM06 03-MAR-95 Indeno(1,2,3-c,d)pyrene ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 FB3395 UM06 03-MAR-95 Niphthalmene ND 10 FB3395 UM06 03-MAR-95 Pentachlorophenol ND 10 FB3395 UM06 03-MAR-95 Phenathrene ND 10	Ų.	FB3395	OM06	03-MAR-95	Hexachlorobutadiene	S S	2 5		× c
FB3395		FB3395 FB3305	UM06	03-MAR-95	Hexachlorocyclopentadiene	QN.	2 0	nor	٠ ١
FB3395		FR3395	11MOK	03-MAR-93	Hexachloroethane L-4/133 - N	ND	10	ner	2
FB3395 UM06 03-MAR-95 N-Nitrosodil-propylamine ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodil-propylamine ND 10 FB3395 UM06 03-MAR-95 N-Nitrosodil-propylamine ND 10 FB3395 UM06 03-MAR-95 Nitrobenzene ND 10 FB3395 UM06 03-MAR-95 Phenathrene ND 10 FB3395 UM06 03-MAR-95 Phenol ND 10 FB3395 UM06 03-MAR-95 Phenol ND 10 FB3395 UM06 03-MAR-95 Phenol ND 10		FB3395	OM06	03-MAR-95	mano(1,2,3-c,a)pyrene Isonhorone	QN :	10	NGL	R
FB3395 UM06 03-MAR-95 N-Nitrosodiphenylamine ND 10 10 10 10 10 10 10 10 10 10 10 10 10	.,	FB3395	UM06	03-MAR-95	N-Nitrosodi-n-propylamine	O S	01 :	ngr	≃.
FB3395 UM06 03-MAR-95 Naphthalene FB3395 UM06 03-MAR-95 Nitrobenzene FB3395 UM06 03-MAR-95 Pentachlorophenol FB3395 UM06 03-MAR-95 Phenanthrene FB3395 UM06 03-MAR-95 Phenol FB3395 UM06 03-MAR-95 Phenol FB3395 UM06 03-MAR-95 Phenol		FB3395		03-MAR-95	N-Nitrosodiphenylamine		0 5	ner	د د
FB3395 UM06 03-MAR-95 Nitrobenzene FB3395 UM06 03-MAR-95 Pentachlorophenol FB3395 UM06 03-MAR-95 Phenol FB3395 UM06 03-MAR-95 Phenol FB3395 UM06 03-MAR-95 Phenol ND 10 10 FB3395 UM06 03-MAR-95 Pyrene		FB3395		03-MAR-95	Naphthalene	Q	2 5	3 5	× a
FB3395 UM06 03-MAR-95 Phenalthrene S0 (1783395 UM06 03-MAR-95 Phenalthrene PB3395 UM06 03-MAR-95 Phenalthrene PB3395 UM06 03-MAR-95 Pyrene ND 10 (1783395 UM06	<i>.</i>	FB3395		03-MAR-95	Nitrobenzene	QX	2 0	ngi,	∠ ≃
FB3395 UM06 03-MAR-95 Phenol 10 10 10 10 10 10 10 10 10 10 10 10 10		FB3395		03-MAR-95	Fenachiorophenol Dhannettrana	QN :	50	Ω CF	R
FB3395 UM06 03-MAR-95 Pyrene 10 10 10 10 10 10 10 10 10 10 10 10 10		FB3395		03-MAR-95	Phenol	S S	10	UGI	
		FB3395		03-MAR-95	Pyrene	2 2	0 5		జ

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

FLAGGING DATA CODES QUALIFIERS						•																																		
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UNIT	ner ner ner	ner		ndl	NGL	NGL	NGL	n G Γ	NGL	NGL	NGL	n G Γ	NGL	ner	ngr	ngr	ngr	nder.	בי בי בי	ן מל פון	ner	NGL	n d Γ	ngr				ndr	NGL	NGL	NGF	NGL	NGL	NGL	COL	NGL	ngr	ner		י נ
RESULT	10 10 10	2 5	S 5	01	10	<u> </u>	10	10	10	20	2	9	20	01	20	20	10	2 :	2 2	2 5	20 20	20	10	<u>0</u>	0 :	2 5	2 5	2 2	10	20	10	01	01	01	10	10	10	01	<u> </u>	>
MEAS BOOL.	ON ON ON	Q ;		e e	2	ND	QN	QN	QN	QN	Ω	QN	Q	Q.	Q	Q	Q	2	2 5	2 2	Q	S	ΩN	QN	Q :	2 5	2 5	Q Q	QN	QN	Q	QN	ND	QN	QN	ND	Q.	QN	<u> </u>	į
	orobenzene benzene benzene	benzene	orophenol	nhenol	Inhenol	henol	oluene	oluene	lou	5-dinitrophenol	othalene	lon	Je	of	obenzidine	Je	nyl phenyl ether	resol	ine	nyiphenyi Ether	96	o <mark>.</mark>	ne ne	lene			nracene	nerviene	oranthene	•	Ð	hol	naphthalene	ethoxy) methane	oethyl)ether	exyl)phthalate	i phthalate		obthalate	THIBIBIT
ANALYTE	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-1 richlorophenol	2,4,5-111cmorphenol	2.4-Dimethylphenol	2.4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chlorophenol	2-Methyl-4,6-dinitrophenol	2-Methylnapthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-cresol	4-Chloroaniline	4-Chlorophenylphenyl Ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene	<u>=</u>	Anthracene	Barreleben	Denzo(a)anuracene	Benzo(g.h.i)nervlene	Benzo(k)fluoranthene	Benzoic acid	Вепхоругене	Benzyl Alcohol	beta-Chloronaphthalene	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl)ether	Bis(2-ethylhexyl)phthalate	Butyl benzyl phthalate	Clurysene	Di-n-butyl phthalate Di n oderl akthalate	ej-ii-votyi piinialaiv
SAMPLE <u>DATE</u> ANALYTE	21-APR-95 1,2,4-Trichlorobenzene 21-APR-95 1,2-Dichlorobenzene 21-APR-95 1,3-Dichlorobenzene		21-APR-95 2,4,5-Irichlorophenol					21-APR-95 2,6-Dinitrotoluene	21-APR-95 2-Chlorophenol	21-APR-95 2-Methyl-4,6-dinitrophenol							•			21-AFR-95 4-Chlorophenylphenyl Ether			21-APR-95 Acenaphthene	. Acenaphthylen		21-APR-95 BZCIPE				21-APR-95 Benzoic acid	21-APR-95 Benzopyrene	21-APR-95 Benzyl Alcohol	21-APR-95 beta-Chloronaphthalene	21-APR-95 Bis(2-chloroethoxy) methane	21-APR-95 Bis(2-chloroethyl)ether	<i>i</i> -			21-APR-95 Di-n-butyl phthalate	
ध्		21-APR-95		21-APR-95	21-APR-95	21-APR-95	21-APR-95		21-APR-95		21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95		21-APR-95	21-APR-95		21-APR-95 Acenaphthylen	21-APR-95		21-APR-93	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	<i>i</i> -	21-APR-95	21-APR-95		C6-N IN-17
SAMPLE <u>DATE</u>	21-APR-95 21-APR-95 21-APR-95	UM06 21-APR-95	21-APR-95	TIM06 21.APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	21-APR-95	21-APR-95	21-APR-95	UM06 21-APR-95	21-APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	UM06 21-APR-95	21-APR-95	UM06 21-APR-95	UM06 21-APR-95	21-APR-95	UM06 21-APR-95 Acenaphthylen	UM06 21-APR-95	21-APR-95	UMU6 21-AFR-93	UM06 21-APR-95	UM06 21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	21-APR-95	UM06 21-APR-95	UM06 21-APR-95	21-APR-95	CENTRALIZ DOMO
SAMPLE METHOD DATE	UM06 21-APR-95 UM06 21-APR-95 UM06 21-APR-95	RB42195 UM06 21-APR-95	UM06 21-APR-95	21.47212 CMC 21.47242	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95 Acenaphthylen	RB42195 UM06 21-APR-95	KB42195 UM06 21-APR-95	UMU6 21-AFR-93	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	RB42195 UM06 21-APR-95	UM06 21-APR-95	KB4212 UNIO 2124UN-22

—,	METHOD 1	SAMPLE DATE 11-APR-05	ANALYTE Diberge by hydrogons	MEAS BOOL.	RESULT	UNIT MEAS	FLAGGING DATA CODES QUALIFIERS
OM06		21-APR-95 21-APR-95 21-APR-95	Diberiz(4,1)antiracene Diberizofuran Diethyl phthalate	<u> </u>	01 01		K K 2
90W. CVW06		21-APR-95 21-APR-95	Dimethyl phthalate Fluoranthene	2 9	2 2 2	Ton Cor	. ex 1
0M0		21-APR-95	Fluorene	Q Q	01		≚ &
		21-APR-95 21-APP-95	Hexachlorobenzene	ND	10	NGL	: ≃
OM06		21-APR-95	itexacino obtantelle Hexachlorocyclonentadiene	O S	01 :	ner	<u>م</u> ۱
UM06		21-APR-95	Hexachloroethane	O Z	0 9	ngr	≃ :
OM06		21-APR-95	Indeno(1,2,3-c,d)pyrene	2 5	01	ופר	¥ ₽
0M0		21-APR-95	Isophorone	C Z	2 5] []	≍ £
90WI		21-APR-95	N-Nitrosodi-n-propytamine	Q	2 01	ndr	∷ ≃
CM06		21-APR-95	N-Nitrosodiphenylamine	ND	01	NGL	: ×
0M0		21-APR-95	Inapinalene Nitropena	2	10	ngr	R
UM06		21-APR-95	Pentachlorophenol	2 2	0.5	ngr	∝ ;
UM06		21-APR-95	Phenanthrene	2 5	00 5	3 5	× ¢
UM06		21-APR-95	Phenol	2 2	0 9	3 5	≍ £
OM06		21-APR-95	Pyrene	S	2 =	ונים מינים	≟ 0
UM06	•	21-APR-95	UNK586)	Š	NG.	∝ ∞
UM06		24-APR-95	1,2,4-Trichlorobenzene	Č	5	5	
OM06		24-APR-95	1,2-Dichlorobenzene	Q Q	9 0	3 5	≾ £
UM06		24-APR-95	1,3-Dichlorobenzene	Q Q	2 5	3 5	≃ □
OM0		24-APR-95	1,4-Dichlorobenzene	Q	2 5	101	4 C
OM06		24-APR-95	2,4,5-Trichlorophenol	QN	09	101	≟ ≃
OM06	•	24-APR-95	2,4,6-Trichlorophenol	QN	9 9	101	∶ ≃
0M06		24-APR-95	2,4-Dichlorophenol	ND	2 01	100	: ≃
UMOG		24-APR-95 24 APP 05	2,4-Dimethylphenol	ND	01	NGL	: 2
IMOR		24-74 K-93	2.4-Dinitrophenol	QN	09	NGL	~
OWO		24-APR-95	2,4-Dinitrotolium	Q ;	0 ;	ngr	×
UM06		24-APR-95	2-Chlorophenol	Z Z	0 :		≃ '
UM06		24-APR-95	2-Methyl-4,6-dinitronhenol	2 5	2 \$	75. CCF	≃ :
DW06		24-APR-95	2-Methylnapthalene	2 5	00 5	55.	× 4
UM06	7	24-APR-95	2-Methylphenol	ž	2 2	3 5	× 6
OM06		24-APR-95	2-Nitroaniline	g g	2 9	3 5	≚ c
0M0		24-APR-95	2-Nitrophenol	e e	9 9		≚ c
0M0		24-APR-95	3,3'-Dichlorobenzidine	QN QN	2 5	בי בי בי	≼ ≏
OM06		24-APR-95		Q	3 9	ב ב ב ב	4
OM06		24-APR-95	4-Bromophenyl phenyl ether	ND	10	nor	≅
MOK		24-AFR-93 24-APP-05	4-Chloro-3-cresol	QN	10	NGL	2
90M0	1 6	24-APR-95	4-Chlorophenyl Ether	O 2	2 :	UGI.	~ .
				į	2	200	<u>-</u> -

LOT FIELD NUMBER SAMPLE ID			ANALYTE	MEAS BOOL.	RESULT	UNIT MEAS	FLAGGING DATA CODES QUAL	DATA QUALIFIER
RB42495 RB42495	0M06 UM06	24-APR-95 24-APR-95	4-Methylphenol 4-Nitroaniline	225	01 00 0	ner	**	
RB42495	0M10 11M06	24-APR-95	4-INIT OPINETION Acensalythene	S S	9 5	בי בי בי	⊻ ₽	
RB42495	0M0	24-APR-95	Acenaphthylene	2 2	2 2	ng n	≃	
RB42495	0M0	24-APR-95	Anthracene	ND	01	UGL	. ~	
RB42495	OM06	24-APR-95	B2CIPE	QN	10	NGL	R	
RB42495	0M0	24-APR-95	Benzo(a)anthracene	ND	10	ner	~	
RB42495	0M0	24-APR-95	Benzo(a)pyrene	QN	10	neF	≃	
RB42495	OM06	24-APR-95	Benzo(g,h,i)perylene	Ω	10	ngr	~	
RB42495		24-APR-95	Benzo(k)fluoranthene	QN.	9	ner	≃	
RB42495		24-APR-95	Benzoic acid	N Q	9	ner	~	
		24-APR-95	Benzopyrene	QN :	01	ner	₩.	
		24-Ark-95	Benzyl Alcohol	2 :	<u> </u>	ndf	≃ 1	
	KB42493 UM06	24-AFK-95	Deta-Chloronaphthalene	O S	0 :	10C	≃ :	
RD42493		24-AFR-93	Dis(2-chloroenoxy) menane Ris(2-chloroethylathar	2 5	2 2	150	¥ ₽	
		24-APR-95	Dis(2-cino) ocury) cure Ris(2-ethylhexyl) nhthalate	2 5	2 5	ב ב ב ב ב ב	<u>د</u> د	
RB42495		24-APR-95	Butul henzul nathalate	2 5	2 5		۵ ک	
		24-APR-95	Chrysene	2 2	01	ngr	. ≃	
~	RB42495 UM06	24-APR-95	Di-n-butyl phthalate	QN	2 01	ner	: ≃	
\sim		24-APR-95	Di-n-octyl phthalate	ND	10	UGL	~	
0		24-APR-95	Dibenz(a,h)anthracene	ND	10	NGL	8	
~ (24-APR-95	Dibenzofuran	Q	10	NGL	~	
RB42495		24-APR-95	Diethyl phthalate	Q.	10	nor	~	
KB42493 PB42495	0M06	24-APK-95	Dimethyl phinalate	2 5	0 9		≃ :	
RB42495		24-AIN-93	I MUMILIANE Filosomo	2 2	2 5	3 5	≚ ∈	
. ~		24-APR-95	Hexachlorobenzene	2 5	2 5	<u>.</u>	∠ ₽	
		24-APR-95	Hexachlorobutadiene	e e	2 2	101	4 ≃	
~	RB42495 UM06	24-APR-95	Hexachlorocyclopentadiene	Q.	2 01	ner	: ~	
~		24-APR-95	Hexachloroethane	QN	10	ndL	: ~	
RB42495		24-APR-95	Indeno(1,2,3-c,d)pyrene	QN	10	nor	×	
RB42495		24-APR-95	Isophorone	QN	01	T On	2	
\sim		24-APR-95	N-Nitrosodi-n-propylamine	QN	10	NGL	~	
RB42495		24-APR-95	N-Nitrosodiphenylamine	QN	10	NGL	~	
RB42495		24-APR-95	Naphthalene	QN	10	NGL	~	
RB42495		24-APR-95	Nitrobenzene	QN	10	NGL	~	
\sim		24-APR-95	Pentachlorophenol	QN	09	ncr	R	
\sim		24-APR-95	Phenanthrene	ND	10	NGL	~	
RB42495	_	24-APR-95	Phenol	ND	10	NGL	~	
RB42495	S UM06	24-APR-95	Pyrene	ΩN	10	NGL	×	
	\$181	18-APR-94	Aluminum	LT	107	NGL		
	SSIS	18-APR-94	Antimony	LT	37.1	UGI,		

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	Ton	Ton	UGL	OGE	TOO	OGL 1901	750	nor	Jon	101	UGL T	TON	190 1101	Ton	ngr	TON TOTAL		Jon	TON	ngr 1	John	TON	100 1161	TSO	ner	TON	OGL .	150	1 101	Jon	ner	UGL	750	T <u>O</u>
RESULT	26.2	1240	15	30 50	120	000	5.11	30.9	63.1	75	13	500	160	156	3420	37.1	2.5	5	1730	15	20	120	200	5.11	30.9	63.1	1250	C 2	200	100	20	219	37.1	20
MEAS <u>BOOL.</u>	ם ב	.		i ti	LT		בי בי	LT	H 1	i	QN	는 ! :	I I	i		LT	LI	17	Ę	I.T.	: 5	TI:	- I	I.	LT	<u> </u>	3 L	3 8	17	1.7	LT	£	1 1	LT
ANALYTE	Barium Berylium Cadmium	Calcium	Cobalt	Copper	Iron I and	Magnesium	Manganese	Molybdenum Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc	Aluminum	Antimony Barium	Beryllium	Cadmium	Calcium Chromium (Todal)	Cobalt	Copper	Iron I ead	Magnesium	Manganese	Molybdenum	Potassiim	Selenium	Silver	Sodium	Thallium	Vanadium	Aluminum	Antimony	Barium
SAMPLE <u>DATE</u>	18-APR-94 Barium 18-APR-94 Berylium 18-APR-94 Cadmium				18-Al'K-94 Iron 18-APR-94 1 224			18-APR-94 Molybdenum				18-APR-94 Sodium 18-APR-94 Thallium	·		19-APR-94 Aluminum				19-AFR-94 Calcium 19-APR-94 Chromium (Total)			19-APR-94 Iron 19-APR-94 Lead			19-APR-94 Molybdenum						19-APR-94 Vanadium 19-APR-94 Zing			20-APR-94 Barium
म्यं			18-APR-94	18-APR-94		18-APR-94	18-APR-94		18-APR-94	18-APR-94	18-APR-94		18-APR-94	18-APR-94		19-74-84 19-APR-94	19-APR-94		19-APR-94 19-APR-94	19-APR-94	19-APR-94		19-APR-94	19-APR-94		19-APR-94	19-APR-94	19-APR-94	19-APR-94	19-APR-94	1.	20-APR-94	20-APR-94	
SAMPLE <u>DATE</u>	SS15 18-APR-94 1 SS15 18-APR-94 1 SS15 18-APR-94 0	18-APR-94	SS15 18-APR-94	18-APR-94	SS15 18-AL'R-94 SS15 18-APR-94	SS15 18-APR-94	SS15 18-APR-94	18-APR-94	SS15 18-APR-94	SS15 18-APR-94	18-APR-94	SS15 18-APR-94 SS15 18-APR-94	SS15 18-APR-94	SS15 18-APR-94	19-APR-94	SS15 19-APR-94	SS15 19-APR-94	19-APR-94	SS15 19-APR-94 SS15 19-APR-94	SS15 19-APR-94	SS15 19-APR-94	19-APR-94 19-APR-94	SS15 19-APR-94	SS15 19-APR-94	19-APR-94	SS15 19-APR-94	SS15 19-APR-94	SS15 19-APR-94	SS15 19-APR-94	SS15 19-APR-94	19-APR-94	SS15 20-APR-94	SS15 20-APR-94	20-APR-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA ILI MEAS CODES QUALIFIERS	2.5 UGL 5 UGL		20 UGL		100 UGL															15 UGL 25 UGL								ngr 			_	244 UGL		
RESULT	-	•				. •1	6.7	υ.	-						•	., .	•							•		•	_							
MEAS BOOL.	בב	11	בנ	LT	TI	בנ	LT	11 1	: i	QN	LT	בן ב	LT		<u>:</u>	<u>.</u>	LT	Ţ			L	11	בלב	LT	LŢ	LT	5:	ָּב [ַ]	Q:	1 E	: L		LT	111
ANALYTE	Beryllium Cadmium Calainm	Chromium (Total)	Copper	Iron	Lead Mameium	Manganese	Molybdenum	Nickel	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc .	Aluminum	Rarium	Beryllium	Cadmium	Calcium	Ciromium (10tal) Cobalt	Copper	Iron Lend	Magnesium	Manganese	Molybdenum	Nickel	Potassrum	Selenium	Sodium	Thallium	Vanadium	Zinc	Aluminum	Antimony
									_								_	_		_												•		
SAMPLE <u>DATE</u>	20-APR-94 20-APR-94	20-APR-94	20-APR-94	20-APR-94	20-APR-94 20-APR-94	20-APR-94	20-APR-94	20-APR-94 20 APP 94	20-APR-94	20-APR-94	20-APR-94	20-APR-94	20-APR-94	20-APR-94	21-APK-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94 21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-AFR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94
S C	222	2 2 2	2 2	7	2 0	1 (1	•	• • •																										
S, METHOD D	SS15 20 SS15 20				SS15 2			SSIS	SS15	SS15	SS15	SS15	SS15	SS15	200	SS15	8815	SS15	SS15	SS15 SS15	SS15	SS15	SSIS	SS15	SS15	SS15	SSIS	SS15	5515	SS15	SS15	SS15	SS15	SS15 SS15
		SS15 SS15	SS15	SS15		SS15	SISS								KB08 SSIS					RB08 SS15		RB08 SS15						KB08 SSI5					RB09 SS15	
METHOD	SS15 SS15	RB07 SS15	RB07 SS15	RB07 SS15	SS15 SS15	RB07 SS15	RB07 SS15	SS15	RB07	RB07	RB07	RB07	RB07	RB07		RB08	RB08	RB08	RB08		RB08	R1308	RB08	RB08	RB08	RB08	KB08	KB08		RB08	RB08	RB08		RB09 RB09

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA [MEAS CODES QUALIFIERS	q Jon Jon		Ten	G 750	ngr D	TOO	d Jou	790																			ndL	q 79n	OGL	OGT	10C D	101	ndr D	UGI	ner	ner.	190 101
RESULT	5 20	2.5	.	1760	1740	15	15	25	C7 C	20 2	120	120	001	90.5	000	20C	5.11	30.9	30.9	63.1	63.1	1250	75	3.5	13	13	200	200	8 5	99 6	20	219	211	107	37.1	5 20	2.5
MEAS BOOL.	11.	בלב	LT	ដ		LT	T.	- L	: E	17	LT	LT	LT] L	: <u>-</u>	: 1:	1.7	LT	LT	1:	1:	1.5	i	נז	ND	QN	LI.	- I	11	7 -	: L			LT	T7 :	112	1 T
ANALYTE	Barium Barium Beryllium	Beryllium	Cadmium	Calcium	Calcium	Chromium (Total)	Cohalt	Cobalt	Copper	Copper	Iron	Iron	Lead	Magnesium	Magnesium	Manganese	Manganese	Molybdenum	Molybdenum	Nickel Nickel	Potassium	Potassium	Selenium	Selenium	Silver	Silver	Sodium	Thaffirm	Thallium	Vanadium	Vanadium	Zinc	Zinc	Antimom	Rarium	Beryllium	Cadmium
SAMPLE <u>DATE</u>	21-APR-94 21-APR-94 21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-AFK-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-AFK-94 21-APP 04	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	21-APR-94	22-AFR-94 22-APP 94	22-APR-94	22-APR-94	22-APR-94
METHOD	SS15 SS15 SS15	SS15	SS15	SS15	SS15	5515	SS15	SS15	SS15	SS15	SISS	5515	SS15	\$115	SS15	SS15	SS15	SISS	5155	SS15	SS15	SS15	SS15	SS15	5515	515	SS15	SS15	SS15	SS15	SS15	SS15	5515	5155	SSIS	SS15	SS15
FIELD SAMPLE ID	RB09 RB09 RB09	RB09 RB09	RB09	RB09	RB09	RB09	RB09	RB09	RB09	KB09	KB09 PB00	R R09	RB09	RB09	RB09	RB09	KB09	KB09	R B09	RB09	RB09	RB09	RB09	KB09	KB09	RR09	RB09	RB09	RB09	RB09	RB09	KB09	KB09	RBIO	RB10	RB10	RB10
INST LOT CODE NUMBER		WB IQH WB			WB IQH		_			WB IQH						WB IQH	WIS IQH	_		_		WB IQH		wis IQH		_	_	_	_	_	 ,	WB IQII		-	_	_	wв 10н

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

DATA QUALIFIERS			
FLAGGING DATA CODES QUALI	←	ь >>>	
UNIT	Ton Ton Ton Ton Ton Ton Ton Ton Ton Ton		
RESULT	2660 15 25 20 20 100 500 5.11 30.9 63.1 1250 73 130 20 100 20 323	107 37.1 21.2 2.8 2.8 40 15 20 20 5.11 30.9 63.1 120 100 5.11 120 100 100 100 100 100 137 14 17 18 18 18 19 100 100 100 100 100 100 100 100 100	
MEAS BOOL	caagaaaaaaaaa	ברבב בבבבבבבב בב בב	
	•		
ANALYTE	Calcium Chromium (Total) Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Silver Sodium Thallium Vanadium	Aluminum Antimony Barium Baryllium Cadmium Cadcium Chromium (Total) Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Selenium Selenium Silver Sodium Thallium Vanadium Zinc Aluminum Antimony Arsenic Barium	
SAMPLE <u>DATE</u> ANALYTE	22-APR-94 Calcium 22-APR-94 Chromium (Total) 22-APR-94 Cobpet 22-APR-94 Copper 22-APR-94 Iron 22-APR-94 Magnesium 22-APR-94 Manganese 22-APR-94 Molybdenum 22-APR-94 Potassium 22-APR-94 Selenium 22-APR-94 Selenium 22-APR-94 Silver 22-APR-94 Silver 22-APR-94 Silver 22-APR-94 Silver 22-APR-94 Zinc	28-APR-94 Aluminum 28-APR-94 Barium 28-APR-94 Barium 28-APR-94 Cadmium 28-APR-94 Calcium 28-APR-94 Chromium (Total) 28-APR-94 Copper 28-APR-94 Copper 28-APR-94 Iron 28-APR-94 Iron 28-APR-94 Lead 28-APR-94 Manganese 38-APR-94 Molybdenum 28-APR-94 Solium 28-APR-94 Solium 28-APR-94 Solium 28-APR-94 Silver 28-APR-94 Silver 28-APR-94 Silver 28-APR-94 Silver 28-APR-94 Aluminum 28-APR-94 Anadium 22-JUL-94 Aluminum 22-JUL-94 Asrenic	
ध			
FIELD SAMPLE SAMPLE SAMPLE DATE	22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94 22-APR-94	28-APR-94 28-APR-94	
SAMPLE METHOD DATE	SS15 22-APR-94 SS15 22-APR-94	SS15 28-APR-94 SS15 22-JUL-94 SS15 22-JUL-94	

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	UGI, UGI, UGI, UGI, UGI, UGI, UGI, UGI,
RESULT	2.5 500 15 120 120 100 500 5.11 3.11 3.09 63.1 1250 73 73 13	107 37.1 28.2 2.5 500 100 120 120 120 5.11 30.9 63.1 1250 75 13 100 100 20 100 30.9 43.1 13 107 107 107
MEAS BOOL,	לכלל S לכללללללללללללללללל	מבנבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבב
	· · · · · · · · · · · · · · · · · · ·	otal)
ANALYTE	Beryllium Cadmium Cadrium Calcium Chromium (Total) Cobalt Copper Iron Lead Manganese Molybdenum Nickel Potassium Selenium Selenium Silver Sodium Thallium Vanadium Zinc	Aluminum Antimony Barium Beryllium Cadmium Calcium Chromium (Total) Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Selenium Silver Sodium Thallium Vanadium Zinc Aluminum Antimony Barium
SAMPLE DATE	22-JUL-94 Beryllium 22-JUL-94 Cadmium 22-JUL-94 Calcium 22-JUL-94 Chromium (Total) 22-JUL-94 Copper 22-JUL-94 Copper 22-JUL-94 Iron 22-JUL-94 Magnesium 22-JUL-94 Magnesium 22-JUL-94 Manganese 22-JUL-94 Molybdenum 22-JUL-94 Selenium 22-JUL-94 Selenium 22-JUL-94 Selenium 22-JUL-94 Silver 22-JUL-94 Sodium 22-JUL-94 Sodium 22-JUL-94 Sodium 22-JUL-94 Sodium 22-JUL-94 Sodium 22-JUL-94 Sodium 22-JUL-94 Zinc	10-AUG-94 Aluminum 10-AUG-94 Antimony 10-AUG-94 Barium 10-AUG-94 Barium 10-AUG-94 Cadmium 10-AUG-94 Calcium 10-AUG-94 Cobalt 10-AUG-94 Copper 10-AUG-94 Iron 10-AUG-94 Iron 10-AUG-94 Magnesium 10-AUG-94 Molybdenum 10-AUG-94 Nickel 10-AUG-94 Potassium 10-AUG-94 Selenium 10-AUG-94 Selenium 10-AUG-94 Sodium 10-AUG-94 Sodium 10-AUG-94 Vanadium 10-AUG-94 Aluminum 10-AUG-94 Aluminum 10-AUG-94 Aluminony 10-AUG-94 Aluminony
SAMPLE METHOD DATE		
SAMPLE DATE	22-JUL-94 22-JUL-94	10-AUG-94 10-AUG-94
SAMPLE METHOD DATE	SS15 22-JUL-94 SS15 22-JUL-94	SS15 10-AUG-94 SS15 10-AUG-94

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL	100 CO CO CO CO CO CO CO CO CO CO CO CO CO
RESULT	2.5 500 115 20 20 20 20 5.11 30.9 63.1 1250 1250 1250 1250 1250 1250 1250 125	107 37.1 62.9 27.2 2.5 2.5 20 100 5.11 30.9 63.1 12.5 500 63.1 12.5 100 12.5 100 100 100 100 100 100 100 100 100 10
MEAS BOOL.	נבנפנבנבנבנבבבבב	לל ללללללללל ללללל לללל
ANALYTE	Beryllium Cadmium Calcium Calcium Cobalt Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Selenium Silver Sodium Thallium Vanadium	Aluminum Antimony Arsenic Barium Beryllium Cadmium Cadmium Calcium Chromium (Total) Copbalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Selenium Selenium Selenium Sulver Sodium Thallium Vanadium Zinc Aluminum
		A A M W W W W W W W W W W W W W W W W W
SAMPLE <u>DATE</u>	09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94 09-AUG-94	01-MAR-95 A 01-MAR-95 A 01-MAR-95 B 01-MAR-95 B 01-MAR-95 C 01-MAR-95 C 01-MAR-95 C 01-MAR-95 C 01-MAR-95 C 01-MAR-95 D
SAMPLE METHOD DATE	SS15 09-AUG-94 SS15 09-AUG-94	
		01-MAR-95 01-MAR-95

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA T MEAS CODES QUALIFIERS			
RESULT	30.7	25 20 20 100 100 100 100 125 125 125 125 125 126 127 127 127 128 128 128 128 128 128 128 128	12.5 659 100 20 32.6
MEAS BOOL	5 55	:מבלבלבל בבבלבל בבל בבבלבלבלבלבלבלבל 	בב ב
ANALYTE	Arsenic Barlium Beryllium Cadmium	Cobalt Copper Iron Lead Magnesium Magnesium Magnesium Nickel Potassium Selenium Silver Sodium Antimony Arzenic Aluminum Antimony Arzenic Aluminum Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Cadrium Calcium Cabatt Copper Iron Lead Magnesium Manganese Molybdenum Nicket Potassium Selenium Selenium	Sodium Thallium Vanadium Zinc
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Sodium Thalliun Vanadiu Zinc
SAMPLE DATE	02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95	02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 02-MAR-95 03-MAR-95	03-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95
METHOD	SS15 SS15 SS15 SS15 SS15 SS15	8815 8815 8815 8815 8815 8815 8815 8815	SS15 SS15 SS15 SS15
FIELD SAMPLE ID	FB3295 FB3295 FB3295 FB3295 FB3295	FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3295 FB3395	FB3395 FB3395 FB3395 FB3395
INST LOT CODE NUMBER	WB 1QY WB 1QY WB 1QY WB 1QY WB 1QY	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	WB IQY WB IQY WB IQY

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UNIT FLAGGING DATA MEAS CODES QUALIFIERS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	750 760 760 760
RESULT	37.1 37.1 52.9 50.0	766 100 20
MEAS BOOL.		בב ב
ANALYTE	Aluminum Autimony Arsenic Barium Cadmium Calcium Cabalt Copper Iron Lead Marganese Molybdenum Nickel Potassium Selenium Selenium Selenium Selenium Selenium Selenium Selenium Selenium Selenium Cadmium Cadmium Cadmium Cadmium Cadmium Cabalt Copper Iron Lead Marganese Molybdenum Marganese Molybdenum Calcium Cadmium Calcium Cadmium Calc	
SAMPLE <u>DATE</u>	17-APR-95 18-APR-95	18-AFR-95 18-APR-95 18-APR-95 18-APR-95
METHOD	SS15 SS15 SS15 SS15 SS15 SS15 SS15 SS15	SS15 SS15 SS15 SS15
FIELD SAMPLE ID	RB41795 RB41895 RB41895	RB41895 RB41895 RB41895 RB41895
INST LOT CODE NUMBER	WB IRA WB IRA	

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

NST 1707 FIELD AMANTE	UNIT FLAGGING DATA MEAS CODES QUALIFIERS	190 190 190 190 190 190 190 190 190 190	100 100 100 100 100 100 100 100 100 100
NUMBER SAMPLE ID METHOD DATE ANALYTE	RESULT	14.2 10.2 37.1 20.2 2.5 2.5 500 100 500 500 501 125 63.1 125 63.1 125 75 125 125 125 125 125 125 125 125 125 12	107 37.1 62.9 20 20 20 15 20 120 120 500 500 501 1250 511 1250 500 500 500
ST LOT FIELD METHOD DATE B IIRA RB41895 SS15 18-APR-95 B IRA RB42195 SS15 21-APR-95 B IRA	MEAS <u>BOOL.</u>	######################################	בבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבבב
ST LOT FIELD METHOD DATE B IIRA RB41895 SS15 18-APR-95 B IRA RB42195 SS15 21-APR-95 B IRA			
ST LOT FIELD METHOD DATE B IIRA RB41895 SS15 18-APR-95 B IRA RB42195 SS15 21-APR-95 B IRA			
ST LOT FIELD MUMBER SAMPLE ID METHIOD B IRA RB41895 SS15 B IRA RB42195 SS15 B IRA RB4	ANALYTE	Zinc Aluminum Antimony Arsenic Barium Baryllium Cadmium Calcium Chromium (Total) Cobalt Copper Iron Lead Magnesium Magnesium Molydenum Nickel Potassium Selenium Silver Sodium Thallium Vanadium	Aluminum Antimony Arsenic Barium Beryllium Cadenium Calcium Chromium (Total) Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Potassium Selenium Selenium Selenium
ST LOT FIELD		18-APR-95 21-APR-95	24-APR-95 24-APR-95
100 100	METHOL	SS15 SS15 SS15 SS15 SS15 SS15 SS15 SS15	SS15 SS15 SS15 SS15 SS15 SS15 SS15 SS15
	FIELD SAMPLE ID	RB41895 RB42195	RB42495 RB42495

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	790 100 100 ·	100 100 100 100 100 100 100 100 100 100
RESULT	100 20 13.2	.0316 .041 .0316 .0848 .0946 .0538 .0638 .0638 .0434 .0202 .0109
MEAS BOOL.	בב	
ANALYTE	Thallium Vanadium Zinc	2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 2,2-bis(p-Chlorophenyl)-1,1-dichloroethene 3,2-bis(p-Chlorophenyl)-1,1-dichloroethene 3,2-bis(p-Chl
SAMPLE <u>DATE</u>	24-APR-95 24-APR-95 24-APR-95	01-MAR-95 02-MAR-95 03-MAR-95 01-MAR-95 02-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95 03-MAR-95 01-MAR-95
METHOD	SS15 SS15 SS15	UH21 UH21 UH22 UH22 UH22 UH22 UH22 UH22
FIELD SAMPLE ID	RB42495 RB42495 RB42495	VADEQ VADEQ
INST LOT CODE NUMBER	WB IRB WB IRB WB IRB	WB JCB WB

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL UGL UGL UGL UGL UGL UGL UGL	Ton
RESULT	0697 0282 0282 0483 0683 0729 0729 0729 0729 0729 073 073 073 074 075 075 075 075 075 075 075 075	.0316
MEAS BOOL.	999999999999999999999999999999999999999	LT
		2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane
ANALYTE	Endrin ENDRNK ENDRNK ENDRNK gamma-Chlordane gamma-Chlordane gamma-Chlordane leptachlor Heptachlor H	2,2-bis(p-Chloropl
SAMPLE DATE	03-MAR-95 01-MAR-95 02-MAR-95 02-MAR-95 03-MAR-95 01-MAR-95	17-APR-95
METHOD	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21	UH21
FIELD SAMPLE ID	VADEQ VADEQ	RB41795
INST LOT CODE NUMBER	WB JCB WB JCB	WB JCD

UNIT FLAGGING DATA MEAS CODES QUALIFIERS	UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL	
RESULT	.0848 .0946 .0038 .0038 .0434 .0434 .0434 .0372 .0372 .0372 .0434 .0434 .0434 .0434 .0434 .0438	
MEAS BOOL.	######################################	
ANALYTE	2,2-bis(p-Chlorophenyl)-1,1-dichloroethane Aldrin alpha-Chlorophenyl)-1,1-dichloroethene Aldrin alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride delta-Benzene hexachloride delta-Benzene hexachloride Dicklin Dicklin Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II PCB 1232 PCB 1242 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1248 PCB 1260 Toxaphene 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 3,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 2,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane 3,2-bis(p-Chlorophenyl)-1,1,1-dichloroethane	
SAMPLE DATE	17.APR-95 18.APR-95	
METHOD	UH21 UH21 UH21 UH21 UH21 UH21 UH21 UH21	
FIELD SAMPLE ID	RB41795 RB41895 RB41895	
INST LOT CODE NUMBER	WB JCD WB	

Results for Field Blanks (Sorted by Installation, Lot Number, Field Sample Number and Analyte)

S UNIT FLAGGING DATA L RESULT MEAS CODES QUALIFIERS	.0429 UGL267 UGL T .1 UGL T .1 UGL T .1 UGL T .1 UGL T .1 UGL T .1 UGL T .1 UGL T .3 UGL T .3 UGL T	.0316 UGL .0848 UGL .0638 UGL .0638 UGL .0434 UGL .0109 UGL .0488 UGL JP R .0321 UGL JP R .0321 UGL JP R .045 UGL JP R .046 UGL JP R .047 UGL JP R .047 UGL JP R .047 UGL JP R .048 UGL JP R .048 UGL JP R .049 UGL JP R .049 UGL JP R .049 UGL JP R	
MEAS BOOL	77888888888	999999922222222222222222222222222222222	77777
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LE ANALYTE .	R-95 Lindane R-95 Methoxychlor R-95 PCB 1016 R-95 PCB 1221 R-95 PCB 1232 R-95 PCB 1242 R-95 PCB 1242 R-95 PCB 1248 R-95 PCB 1248 R-95 PCB 1254 R-95 PCB 1254	R-95 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroethane R-95 2,2-bis(p-Chlorophenyl)-1,1-dichloroethane R-95 Aldrin Aldrin alpha-Benzene hexachloride Aldrin alpha-Benzene hexachloride Aldrin alpha-Benzene hexachloride Aldrin Aldera Benzene hexachloride Aldrin alpha-Chlordane R-95 beta-Benzene hexachloride Aldrin Br-95 beta-Benzene hexachloride Br-95 Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II Endosulfan II R-95 Endrin R-95 Endrin R-95 Endrin Br-95 Endrin Br-95 Endrin Br-95 Endrin Br-95 Endrin Br-95 Endrin Br-95 Endrin Br-95 PCB 1016 Br-95 PCB 121 PCB 121 PCB 122 PCB 123 PCB 124 Br-95 PCB 1248 PCB 1254 PCB 1254 PCB 1254 PCB 1254 PCB 1256 PCB 125	2.2-bis(p-Chlorophenyl)-1,1,1-trichloroethane 2.2-bis(p-Chlorophenyl)-1,1-dichloroethane 2.2-bis(p-Chlorophenyl)-1,1-dichloroethene 2.2-bis(p-Chlorophenyl)-1,1-dichloroethene 2.5 Aldrin 2.95 alpha-Benzene hexachloride
SAMPLE DATE	18-APR-95 Lindane 18-APR-95 Methoxychlor 18-APR-95 PCB 1016 18-APR-95 PCB 1221 18-APR-95 PCB 1221 18-APR-95 PCB 1242 18-APR-95 PCB 1242 18-APR-95 PCB 1242 18-APR-95 PCB 124 18-APR-95 PCB 124 18-APR-95 PCB 1260 18-APR-95 Toxaphene	21-APR-95 2,2-bis(p-Chlorophenyl)-1,1-dichlorocht 21-APR-95 2,2-bis(p-Chlorophenyl)-1,1-dichlorocht 21-APR-95 2,2-bis(p-Chlorophenyl)-1,1-dichlorocht 21-APR-95 Aldrin 21-APR-95 alpha-Benzene hexachloride 21-APR-95 beta-Benzene hexachloride 21-APR-95 beta-Benzene hexachloride 21-APR-95 beta-Benzene hexachloride 21-APR-95 Endosulfan I 21-APR-95 Endosulfan I 21-APR-95 Endosulfan I 21-APR-95 Endosulfan sulfate 21-APR-95 Endosulfan I 21-APR-95 Endosulfan Sulfate 21-APR-95 Endosulfan I 21-APR-95 Heptachlor epoxide 21-APR-95 Heptachlor 21-APR-95 PCB 1016 21-APR-95 PCB 1221 21-APR-95 PCB 124 21-APR-95 PCB 124 <	24-APR-95 2,2-bis(p-Chlorophenyl)-1,1,1-trichloroet 24-APR-95 2,2-bis(p-Chlorophenyl)-1,1-dichloroeths 24-APR-95 2,2-bis(p-Chlorophenyl)-1,1-dichloroethe 24-APR-95 Aldrin alpha-Benzene hexachloride
SAMPLE <u>METHOD</u> <u>DATE</u>			
FIELD SAMPLE SAMPLE SAMPLE METHOD DATE	18-APR-95 18-APR-95 18-APR-95 18-APR-95 18-APR-95 18-APR-95 18-APR-95 18-APR-95 18-APR-95	21-APR-95 21-APR-95	24-APR-95 24-APR-95 24-APR-95 24-APR-95 24-APR-95
SAMPLE <u>METHOD</u> <u>DATE</u>	UII21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95 UH21 18-APR-95	UH21 21-APR-95 UH21 21-APR-95	UH21 24-APR-95 UH21 24-APR-95 UH21 24-APR-95 UH21 24-APR-95 UH21 24-APR-95

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DATA QUALIFIERS																							
FLAGGING DATA CODES QUAL			22.		=		~ •	_															
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UNIT	nor nor	ng r	ngr ngr	NGL 151	d d	UGL	ng.		NGL	NGF	NGL	NGL	NGL	UGL	UGI	NCL	NGL	UGL	NGF	UGL	UGI.		
RESULT	.022 .012 .054	.0094 .013	.022 .041	720.	.05 20.	690.	.0066	.047	Ξ.	.22	11.	Ξ.	Π.	Ξ.	Π.	55.	.74	.74	.74	.74	74	4 4	
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T.	nlordane rzene hexachloride rzene hexachloride	fan I fan II	fan sulfate	4	Chlordane	lor	lor epoxide	vchlor	16	21	32	42	48	54	09	ene	-		_	_			
<u>ANALYTE</u>	alpha-Chlordane beta-Benzene hexachloride delta-Benzene hexachloride Dieldrin	Endosulfan I	lfan sul	Endrin RNDBNE	gamma-Chlordane	Heptachlor	or epc	Lindane Methoxychlor	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	Toxaphene	Mercury	Mercury	Mercury	Метситу	Mercury	Mercury	
ΕĮ.	alpha-Chlordar beta-Benzene h delta-Benzene Dieldrin		Endosulfan sul Endrin			Heptachlor	Heptachlor epo								_	•			_				
SAMPLE DATE	24-APR-95 alpha-Chlordan 24-APR-95 beta-Benzene h 24-APR-95 delta-Benzene 24-APR-95 Dislation	24-APR-95 24-APR-95	24-APR-95 Endosulfan sul 24-APR-95 Endrin	24-APR-95	24-APR-95	24-APR-95 Heptachlor	24-APR-95 Heptachlor epo	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	l 24-APR-95	l 24-APR-95 7	01-MAR-95	02-MAR-95	03-MAR-95	17-APR-95	18-APR-95	24-APR-95	
ΕĮ.	alpha-Chlordar beta-Benzene h delta-Benzene Dieldrin	24-APR-95 24-APR-95	24-APR-95 Endosulfan sul 24-APR-95 Endrin	24-APR-95	24-APR-95	24-APR-95 Heptachlor	24-APR-95 Heptachlor epo	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	24-APR-95	_	l 24-APR-95 7	01-MAR-95		03-MAR-95	17-APR-95	18-APR-95		
SAMPLE DATE	24-APR-95 alpha-Chlordan 24-APR-95 beta-Benzene h 24-APR-95 delta-Benzene 24-APR-95 Dislation	UH21 24-APR-95 UH21 24-APR-95	UH21 24-APR-95 Endosulfan sul UH21 24-APR-95 Endrin	24-APR-95	UH21 24-APR-95	UH21 24-APR-95 Heptachlor	24-APR-95 Heptachlor epo	UH21 24-APR-95	UH21 24-APR-95	UH21 24-APR-95	UH21 24-APR-95	UH21 24-APR-95	UH21 24-APR-95	UH21 24-APR-95	l 24-APR-95	l 24-APR-95 7	SB07 01-MAR-95	SB07 02-MAR-95	03-MAR-95	SB07 17-APR-95	18-APR-95	SB07 24-APR-95	
SAMPLE METHOD DATE	UH21 24-APR-95 alpha-Chlorda UH21 24-APR-95 beta-Benzene b UH21 24-APR-95 delta-Benzene UH21 24-APR-95 delta-Benzene	RB42495 UH21 24-APR-95 RB42495 UH21 24-APR-95	UH21 24-APR-95 Endosulfan sul UH21 24-APR-95 Endrin	RB42495 UH21 24-APR-95 PB42405 TH21 24-APB-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95 Heptachlor	RB42495 UH21 24-APR-95 Heptachlor epo	RB42495 UH21 24-APR-95 RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UH21 24-APR-95	RB42495 UII21 24-APR-95	UII21 24-APR-95 7	FB3195 SB07 01-MAR-95	SB07 02-MAR-95	FB3395 SB07 03-MAR-95	RB41795 SB07 17-APR-95	RB41895 SB07 18-APR-95 PB42105 SB07 21-APR-05	SB07 24-APR-95	

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